KOZY HEAT™
FIREPLACES
Quality Fireplaces for Life

INSTALLATION AND OPERATION MANUAL

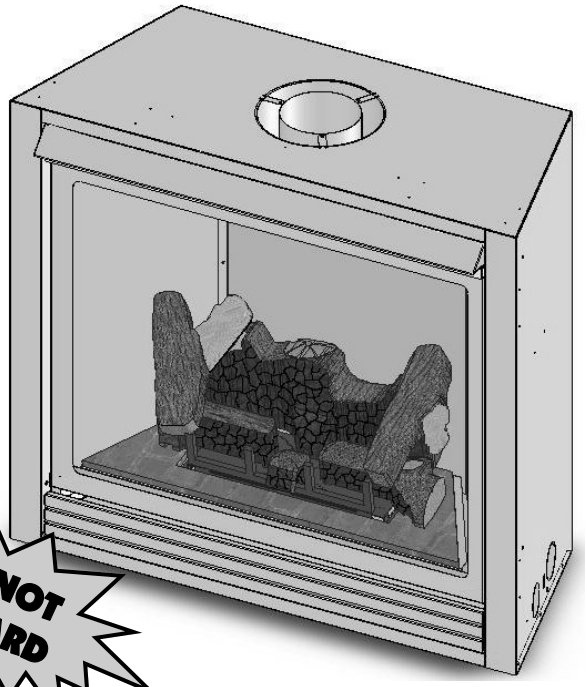
INSTALLER: LEAVE THIS MANUAL WITH THE APPLIANCE.

CONSUMER: RETAIN THIS MANUAL FOR FUTURE REFERENCE.

Model: #DSL-36

DASSEL

DIRECT VENT FIREPLACE



WARNING: This product must be installed by a licensed plumber or gas fitter when installed in the commonwealth of Massachusetts.

IMPORTANT: Installation of a CO detector is required in the fireplace room when installed in the commonwealth of Massachusetts.

WARNING: If the information in these instructions are not followed exactly, a fire or explosion may result, causing property damage, personal injury or loss of life.

- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**

IF YOU SMELL GAS:

- **Do not light any appliance.**
- **Do not touch any electrical switch: do not use any phone in your building.**
- **Immediately call gas supplier from a neighbors phone. Follow the gas supplier instructions.**
- **If you cannot reach your gas supplier, call the fire department.**
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

This appliance may be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes.

This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

Tested & Listed By O-T-L C US Beaverton Oregon USA
OMNI-Test Laboratories, Inc.

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

INTRODUCTION

Read this manual before installing or operating this appliance.
Please retain this owner's manual for future reference.

CONGRATULATIONS!

We welcome you as a new owner of a Kozy Heat gas fireplace. Kozy Heat products are designed with superior components and materials and assembled by trained craftsmen who take pride in their work. The burner and valve assembly are 100% test-fired and the complete fireplace is thoroughly inspected before packaging to ensure that you receive a quality product. Our commitment to quality and customer satisfaction have remained the same for over 30 years. We offer a complete line of gas and wood fireplaces, unique cabinets and stylish accessories to compliment any décor. Adding a fireplace is one of the best ways to increase the value of your home and we are proud to offer a network of dealers throughout the country to help make your experience everything you imagine. We pride ourselves in being dedicated to not only function and reliability, but customer safety as well. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your Kozy Heat gas fireplace.

Jim Hussong
President

Dudley Hussong
Board Chairman

Homeowner Reference Information

We recommend that you record the following information about your fireplace.

Model Name:_____ Date purchased/installed:_____

Serial Number:_____ Location on fireplace:_____

Dealership purchased from:_____ Dealer Phone:_____

Notes:_____

_____

_____

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SAFETY INFORMATION

This fireplace has been tested to and complies with ANSI Z21.88a-2007·CSA 2.33a-2007·CSA P.4.1-02 "VENTED GAS FIREPLACE HEATERS" by OMNI-Test Laboratories, Beaverton, OR. Installation must conform with local building codes or in the absence of local building codes, with the National Fuel Gas Code, ANSIZ223.1/NFPA 54 - Current Edition, or the Natural or Propane Installation Code, CSAB149.1

- **Installation and repair should be done only by a qualified service person. The appliance should be inspected by a qualified service person before use. Annual inspection by a qualified service person is required to maintain warranty. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that control compartments, burners and circulation air passageways of the appliance be kept clean.**
- **If this appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.**
- **Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.**
- **Young children should be carefully supervised when they are in the same room as the appliance.**
- **Clothing or other flammable material should not be place on or near the appliance.**
- **Adequate accessibility clearances for servicing and proper operation must be maintained.**
- **This appliance must not share or be connected to a chimney flue serving any other appliance.**
- **Keep area around the appliance clear of combustible materials, gasoline and other flammable vapor and liquids.**
- **The flow of combustion and ventilation air must not be obstructed.**
- **Due to high temperatures the appliance should be located out of traffic and away from furniture and draperies.**
- **The glass front or any part removed for servicing the appliance must be replaced prior to operating the appliance. Work should be done by a qualified service technician.**
- **Clean glass only when cool and only with non-abrasive cleansers.**
- **Do not operate this appliance with the glass/frame assembly removed, cracked or broken. The glass assembly, Part #DSL-057T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc. Replacement of the glass assembly must only be performed by a licensed or qualified service person. DO NOT SUBSTITUTE MATERIALS.**
- **Do not strike or slam glass assembly.**
- **Any safety screen or guard removed for servicing the appliance must be replaced prior to operating the appliance.**
- **Under no circumstances should any solid fuel (wood, coal, paper or cardboard etc.) be used in this appliance.**
- **Keep burner and control compartment clean.**
- **Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect this appliance and to replace any part of the control system and any gas control which has been under water.**

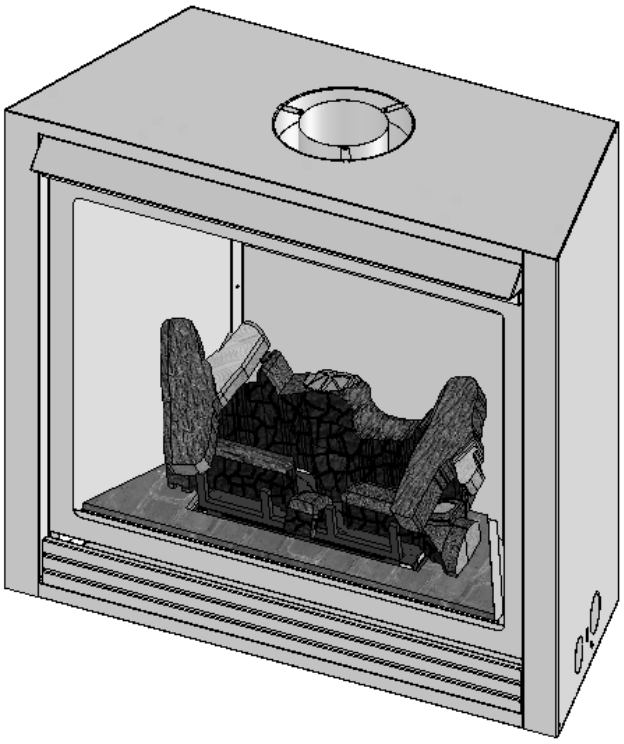
FEATURES

STANDARD FEATURES

- High efficiency
- High quality lifetime glass
  23-3/4" x 30-1/16" (603 mm x 764 mm)
- Quick latch glass frame assembly
- Upper grill / hood & lower grill (black)
- Accepts rigid pipe or Kozy Heat flexible vent system, no adaptor necessary
- High - Low regulator
- Patented log design
- Speed Control assembly for optional fan kit (#TMT-028)
- Minnesota Energy Code compliant to 50 pascals

SAFETY FEATURES

- **Each unit factory tested!**
- Tested by OMNI - Test Laboratories
- Sealed combustion chamber with standing pilot ignition
- Removable millivolt board with 30-second delay pilot
- Automatic pressure relief glass system
- Requires no electricity to operate
  (except with optional fan)
- Bedroom and mobile home approved



OPTIONAL FEATURES

- Refractory firebrick panels (2 styles available)
- Automatic fan kit with variable speed control (75 CFM)
- Remote control or thermostat remote control
- Wall mount thermostat / wireless wall mount thermostat
- Decorative full door faces in various styles and finishes
- Renaissance pattern front
- Mission design doors in various finishes

WEIGHT

- Fireplace Weight (as packaged for shipment)
  150 lbs. (68.04 kg)
- Fireplace Weight (without packaging)
  110 lbs. (49.9 kg)

COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS

NOTE: The following requirements reference various Massachusetts and national codes not contained in this manual.

For all sidewall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

INSTALLATION OF CARBON MONOXIDE DETECTORS

At the time of installation of the side wall horizontally vented gas fueled equipment, the installing plumber or gas-fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas-fitter shall observe that a battery operated or hard wired carbon monoxide detector is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

APPROVED CARBON MONOXIDE DETECTORS

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

SIGNAGE

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print no less the one-half inch (1/2) in size, **"GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".**

INSPECTION

The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08 (2) (a) 1 through 4.

EXEMPTIONS

The following equipment is exempt from 248 CMR 5.08 (2) (a) 1 through 4:

The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and

Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS

MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED

When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

Detailed instructions for the installation of the venting system design or the venting system components; and

A complete parts list for the venting system design or venting system.

MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED

When the manufacturer of Product Approved side wall horizontally vented gas equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

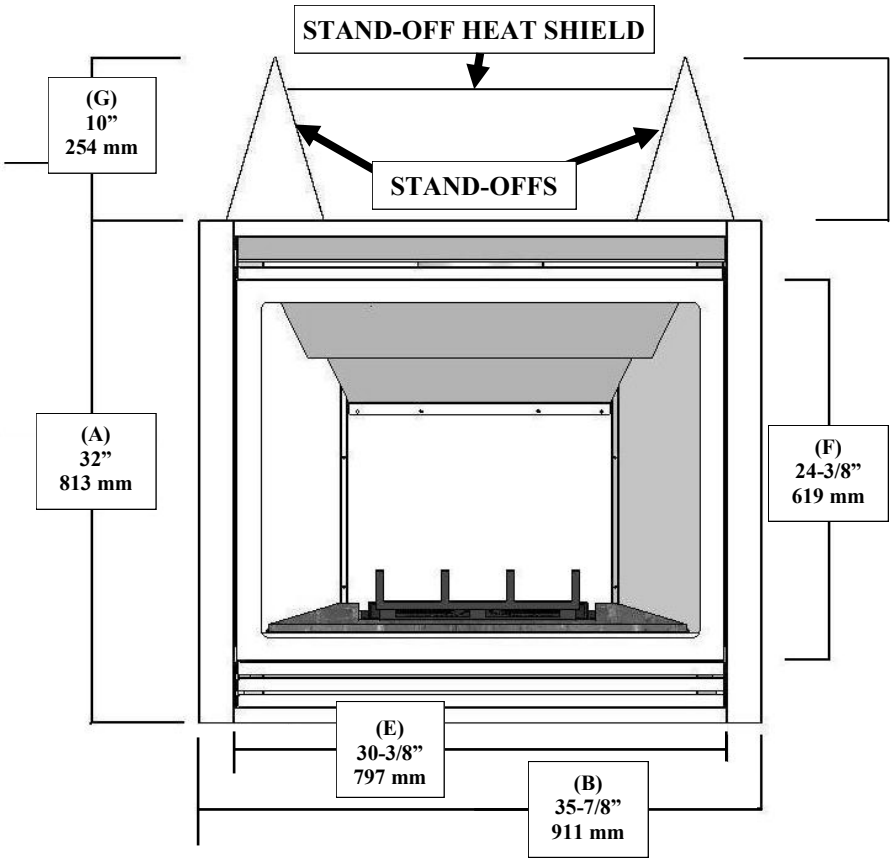
The referenced "special venting systems" instructions shall be included with the appliance or equipment installation instructions and;

The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

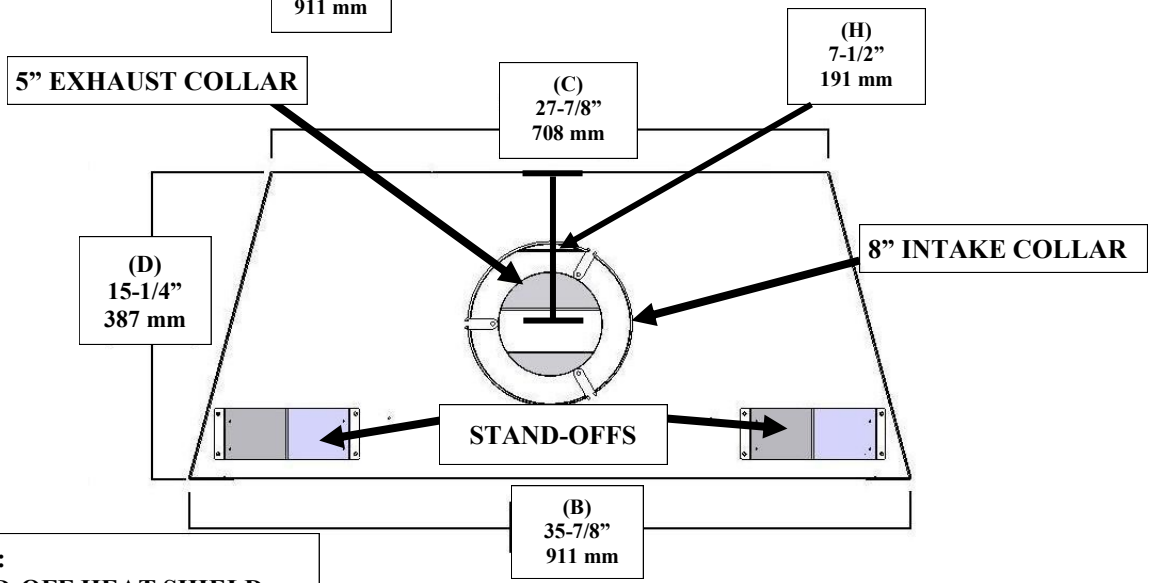
SPECIFICATIONS

FIREPLACE DIMENSIONS									
	LETTER KEY	A	B	C	D	E	F	G	H
	DESCRIPTION	Height	Width	Back Width	Depth	Opening Width	Glass Frame Height	Stand-off Height	Back to vent center
FIREPLACE DIMENSIONS	INCHES	32	35-7/8	27-7/8	15-1/4	30-3/8	24-3/8	10	7-1/2
	MILLIMETERS	813	911	708	387	797	619	254	191



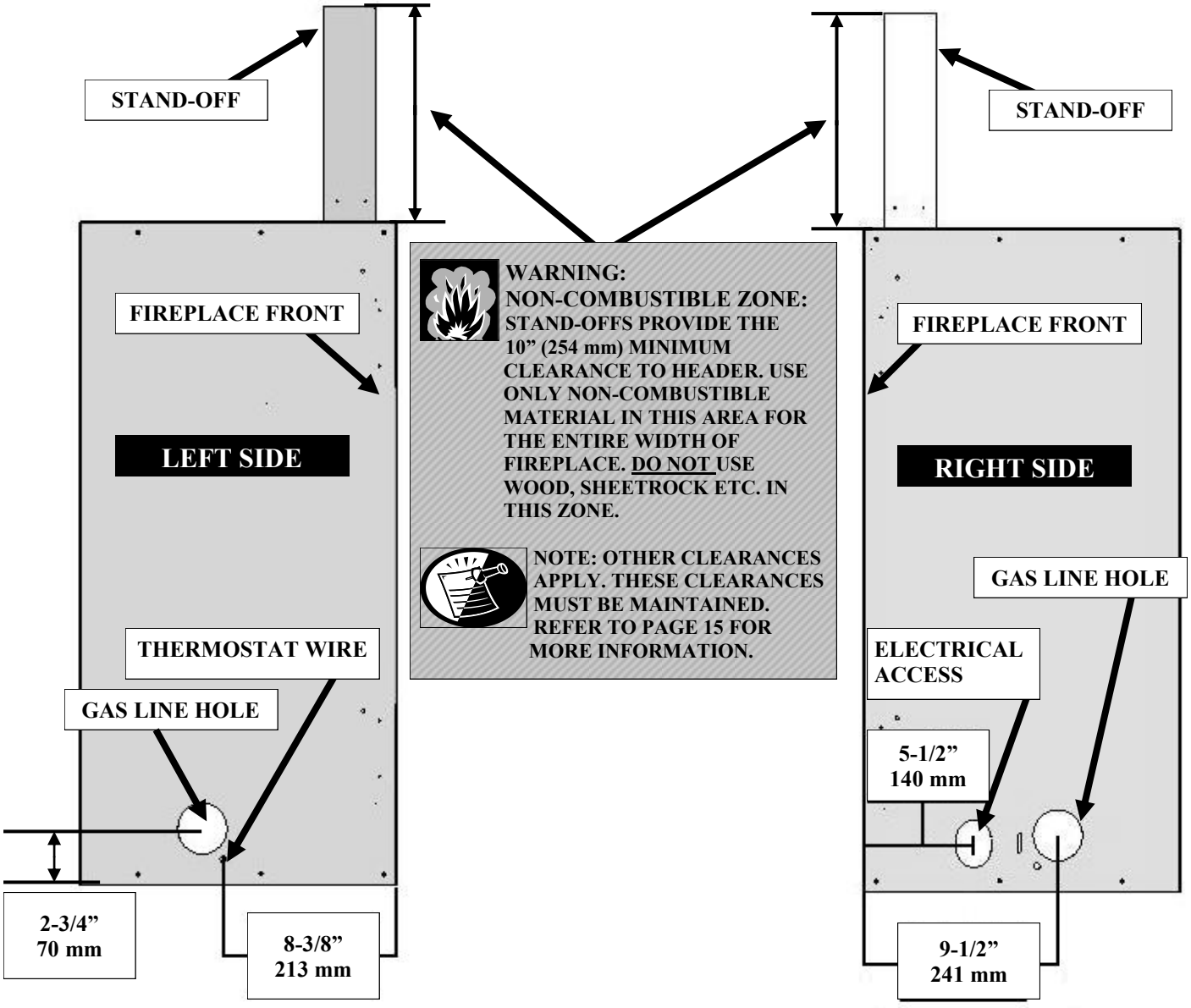
WARNING:
NON-COMBUSTIBLE ZONE: STAND-OFFS PROVIDE THE 10" (254 mm) MINIMUM CLEARANCE TO HEADER. USE ONLY NON-COMBUSTIBLE MATERIAL IN THIS AREA FOR THE ENTIRE WIDTH OF FIREPLACE. DO NOT USE WOOD, SHEETROCK ETC. IN THIS ZONE.

NOTE: OTHER CLEARANCES APPLY. ALL CLEARANCES MUST BE MAINTAINED. REFER TO PAGE 15 FOR MORE INFORMATION.



NOTE:
STAND-OFF HEAT SHIELD NOT SHOWN FOR CLARITY PURPOSES ONLY.

SPECIFICATIONS



CLEARANCES

- Top of unit face to framing - 10" (254 mm)
- From unit left & right sides & back - 1/4" (6 mm)
- To flooring - 0" (0 mm)
- Unit top to ceiling - 31" (787 mm)
- Unit side to adjacent sidewall - 3" (76 mm)
- Unit front to combustibles - 36" (914 mm)
- Top of unit to 3/4" (19 mm) trim - 10" (254 mm)
- Mantel must be a minimum of 14-1/2" (368 mm) above top of unit. The maximum mantel depth at this height is 4" (102 mm) deep. See additional mantel clearance configurations on page 15 of this installation manual.

SPECIFICATIONS

MODEL #DSL -DASSEL COMPONENTS LIST

- **(#DSL-770) - Millivolt Board Assembly with 18" Flexible Gas Line attached**
- **(#700-203) - Manual Gas Shut-off Valve**
- **(#DSL-135) - Burner / Log Grate Assembly**
- **(#DSL-500) - Log Package with 'Klinkers' and Rock Wool Embers**
- **(#DSL-057T) - Glass Frame Assembly**
- **(#OCK-S53A) - LP Conversion Kit**
- **(#600-083) - Receptacle / Speed Control Assembly with (3) Wire Nuts**
- **(#942085) - 5" Restrictor Plate**
- **(#DSL-HHS) - Horizontal Vent Heat Shield**
- **(#500-DSL) - Grill Assembly: Upper Hood, Upper Louver and Lower Grill**

INSTALLATION OVERVIEW

1. Frame an opening for the fireplace, allowing for vent installation and type of installation (corner or flat wall application).
2. If masonry (optional) will be used, prepare foundation for the masonry load. A lintel is required to support the added weight above the fireplace.
3. Attach stand-off brackets and nailing flanges to fireplace.
4. Insert fireplace into framing.
5. Install the hearth (if applicable).
6. Complete the gas line installation.
7. Complete the electrical hook-up. Install any standard or optional electrical components at this time.
8. Complete the venting installation.
9. Secure fireplace to flooring through holes located in the outer box bottom and to framing with nailing flanges. Verify all clearances at this point.
10. Install facing material, mantel or cabinetry, allowing room for optional full face doors, if applicable.
11. Install logs.
12. Install grills and optional decorative doors / faces.
13. Verify proper operation of fireplace and all components.

NOTE: The qualified installer should follow the procedure best suited for the installation.

PLACEMENT CLEARANCE REQUIREMENTS

- This fireplace must be installed on a level surface capable of supporting the fireplace and venting.
- Fireplace must be placed directly on wood or non-combustible surface (not linoleum or carpet) extending the entire depth and width of fireplace.
- Due to high surface temperatures, fireplace should be located out of traffic and away from furniture and draperies.
- This fireplace may be installed in a bedroom.
- Please be aware of the large amount of heat this fireplace will produce when determining a location.

PREPARE THE FIREPLACE

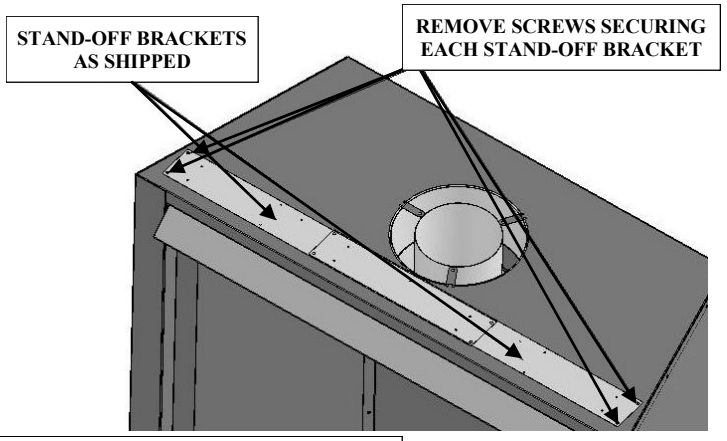
STAND-OFF ASSEMBLY & INSTALLATION

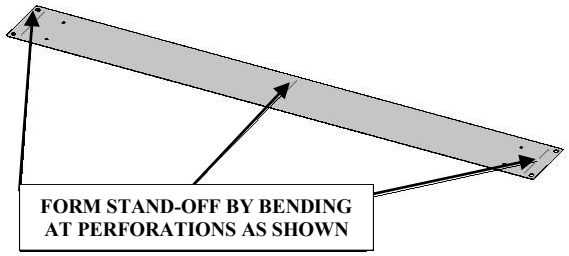
IMPORTANT: THE TOP STAND-OFF BRACKETS MUST BE FORMED AND ATTACHED PRIOR TO POSITIONING THE FIREPLACE INTO FRAMED OPENING.

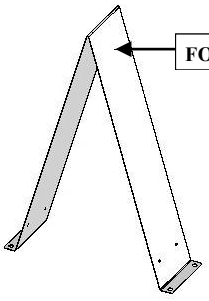
CAUTION: STAND-OFF BRACKETS ARE NOT LOAD BEARING.

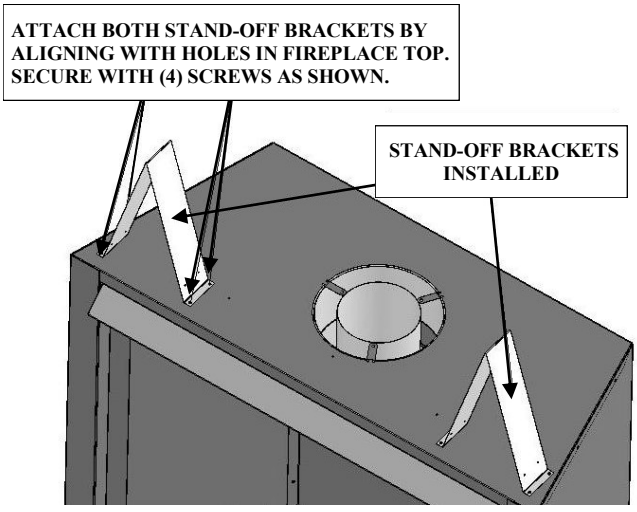
The top stand-off brackets and stand-off heat shield are attached to the fireplace top in a flat state for shipping.

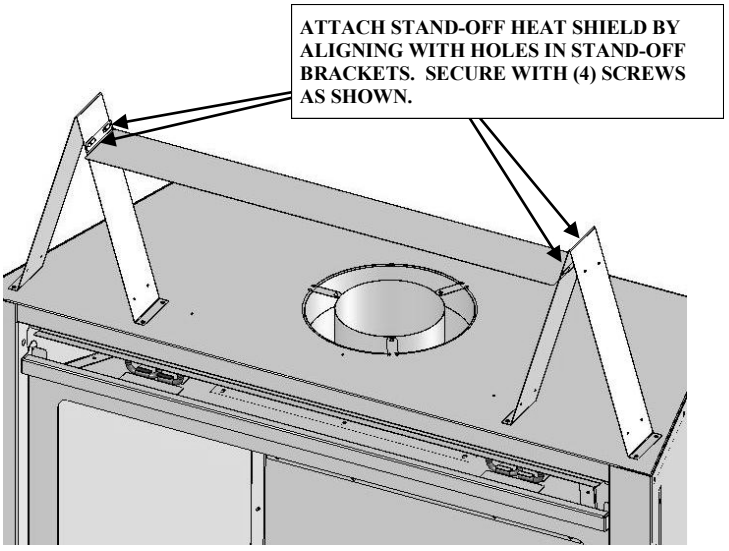
1. Remove and save the (4) screws securing stand-off heat shield and stand-off brackets.
2. Form each stand-off bracket as shown.
3. Re-attach stand-off brackets to fireplace using screws previously removed along with (4) screws provided in fireplace components packet.
4. Form stand-off heat shield and attach to stand-off brackets with (2)screws provided in the fireplace components packet. (Flange on stand-off heat shield faces 'up' and to the back of fireplace).








ATTACH BOTH STAND-OFF BRACKETS BY ALIGNING WITH HOLES IN FIREPLACE TOP. SECURE WITH (4) SCREWS AS SHOWN.
STAND-OFF BRACKETS INSTALLED



WARNING:
NON-COMBUSTIBLE ZONE:
STAND-OFFS PROVIDE THE 10" (254 mm) MINIMUM CLEARANCE TO HEADER. USE ONLY NON-COMBUSTIBLE MATERIAL IN THIS AREA FOR THE ENTIRE WIDTH OF FIREPLACE. DO NOT USE WOOD, SHEETROCK ETC. IN THIS ZONE.

NOTE: OTHER CLEARANCES MUST BE MAINTAINED. REFER TO PAGE 15 FOR MORE INFORMATION.

CAUTION: NEVER PERMANENTLY REMOVE THESE ASSEMBLIES FROM THE FIREPLACE - THEY MUST BE SECURED IN PLACE REGARDLESS OF FINISH MATERIAL USED.

PREPARE THE FIREPLACE

NAILING FLANGE ASSEMBLY & INSTALLATION

1. Remove the (4) nailing flanges from fireplace sides.

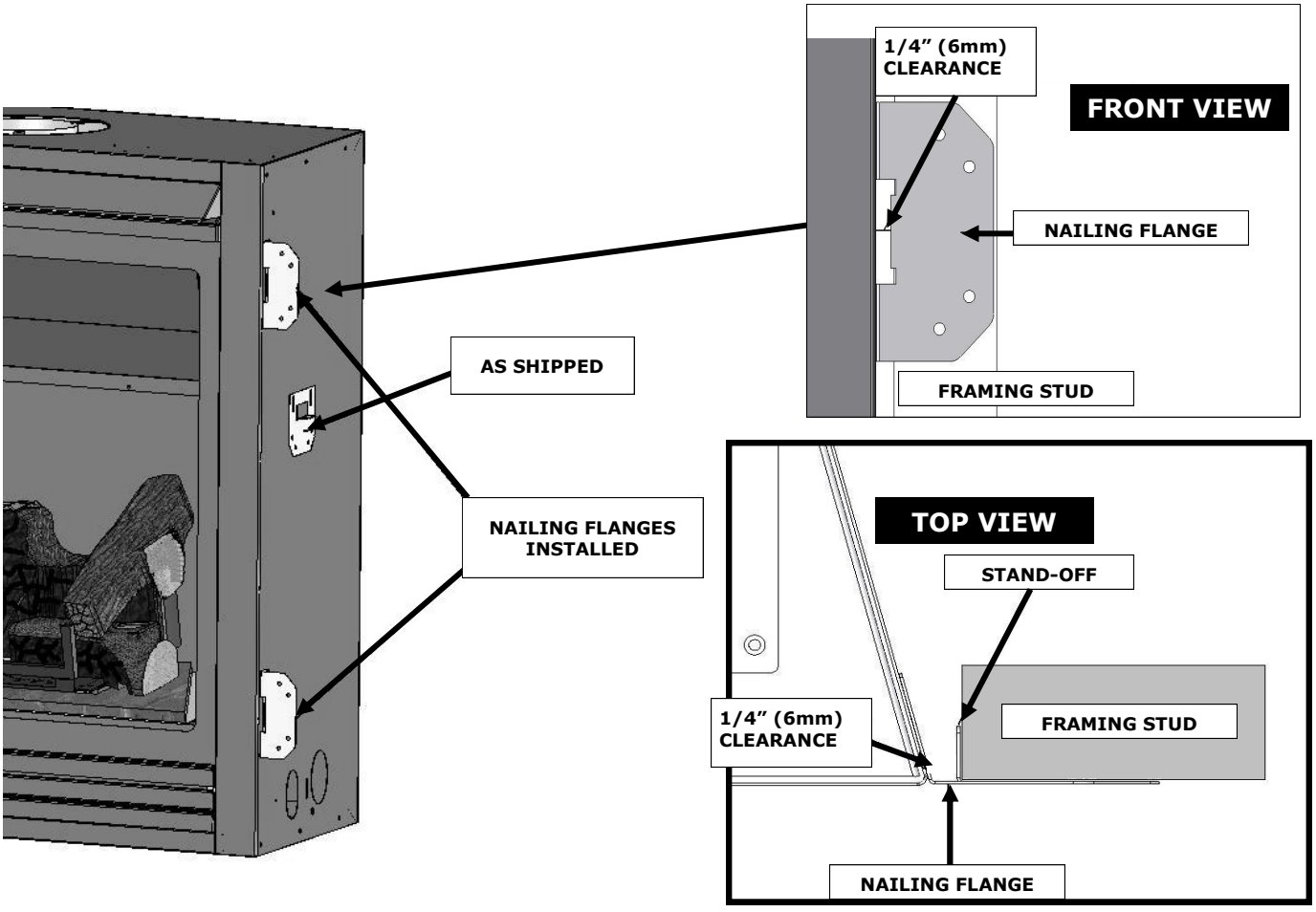
2. With the 1/4" (6 mm) stand-offs on the nailing flanges facing away from fireplace, align nailing flange with the holes on the outside corners of fireplace . Secure with screws (provided in installation manual parts packet) through the slots in the nailing flanges .

3. Bend perforation on nailing flange until parallel with fireplace face. Do not bend toward fireplace face.

4. Position framing stud against the 1/4" (6 mm) stand-off located on the backside of the nailing flange and secure with nails or screws.

When installed, nailing flanges provide the minimum 1/4" (6 mm) clearance from fireplace sides.

NOTE: Depending on facing material, tabs can be adjusted forward or back up to 1/2" (13 mm).



CAUTION: NEVER PERMANENTLY REMOVE THESE ASSEMBLIES FROM THE FIREPLACE - THEY MUST BE SECURED IN PLACE REGARDLESS OF FINISH MATERIAL USED.

FRAMING

WALL ENCLOSURE ROUGH OPENING

IMPORTANT: Framing dimensions should allow for wall covering thickness and fireplace facing materials. If using a hearth, adjust rough opening size as necessary to maintain at least the minimum clearance requirements.

IMPORTANT: NON-COMBUSTIBLE FACING MATERIAL MAY BE APPLIED OVER THE FACE. TO PREVENT THE FACING MATERIAL FROM FALLING OFF DUE TO EXPANSION OF THE FACE WHEN HEATED, DO NOT ATTACH FACING MATERIAL DIRECTLY TO THE FIREPLACE FACE. DO NOT OBSTRUCT THE FLOW OF VENTILATION AIR.

MINIMUM FINISHED OPENING DIMENSIONS

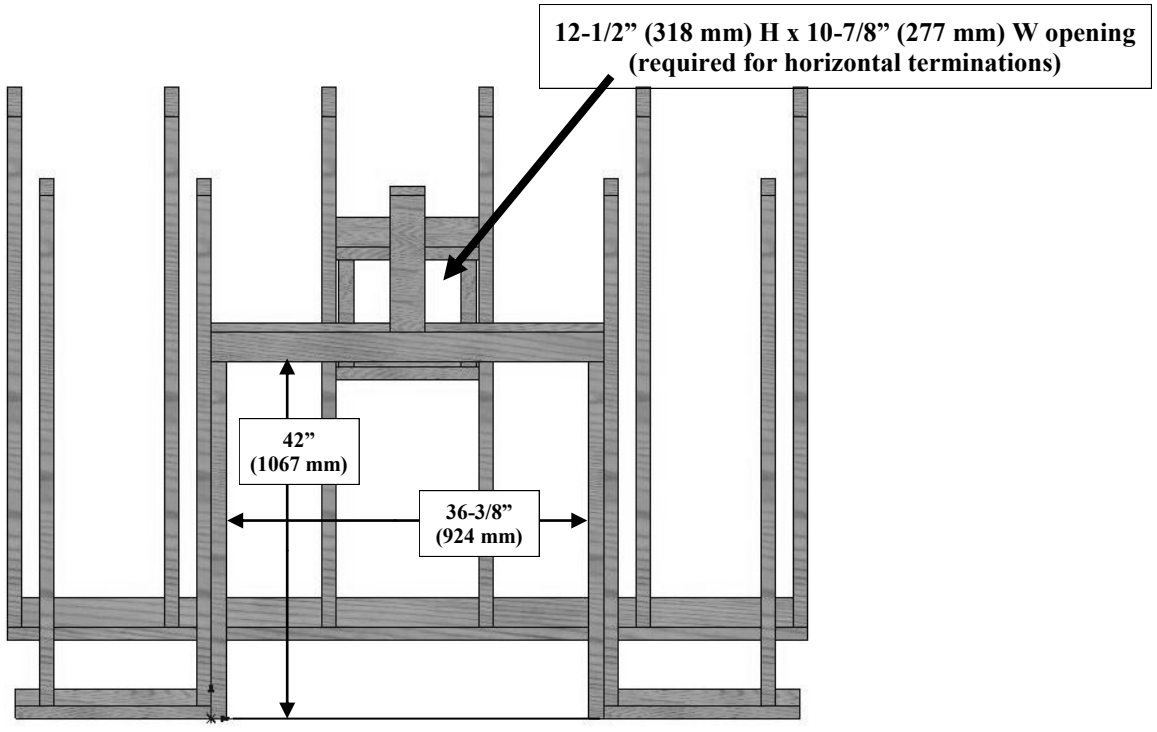
(APPLIES TO BOTH HORIZONTAL AND VERTICAL VENTING TERMINATIONS)

42”(1067 mm) High x 36-3/8”(924 mm) Wide x 15-3/4” (400 mm) Deep.

1/4” (6 mm) clearance at back and sides of fireplace must be maintained.

NOTE: Provide adequate clearance in front of fireplace to operate lower grill, open and close optional decorative doors / full door faces, access the control valve, installation of gas line, fan, etc.

WARNING: DO NOT OBSTRUCT UPPER AND LOWER GRILL OPENINGS. ROOM AIR ENTERS THROUGH THE LOWER PASSAGE, IS HEATED AND EXITS THROUGH THE UPPER PASSAGE. BLOCKING THESE PASSAGES MAY RESULT IN OVERHEATING, CREATING A POTENTIALLY HAZARDOUS SITUATION.



FRAMING

Determine the exact position of your fireplace, including hearth height, width, and depth, (if applicable). If possible, place fireplace in such a manner that the vent termination will be placed between two studs, eliminating the need for additional framing.

If masonry is to be used (optional), prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over the top of the fireplace to support the added weight.

Build the hearth to the desired size and height. If a hearth extension is desired, combustible material may be used.

NOTE: Consider height of hearth finish material (stone, brick, etc.) when building fireplace platform. The bottom of the fireplace must be level with finished hearth to allow for lower grill operation and proper fit of optional decorative full door faces.

WARNING: Install fireplace on hard metal or wood surface extending the full width and depth of fireplace. Minimum platform size: 35-7/8" (911 mm) wide x 15-1/4" (387 mm) deep.

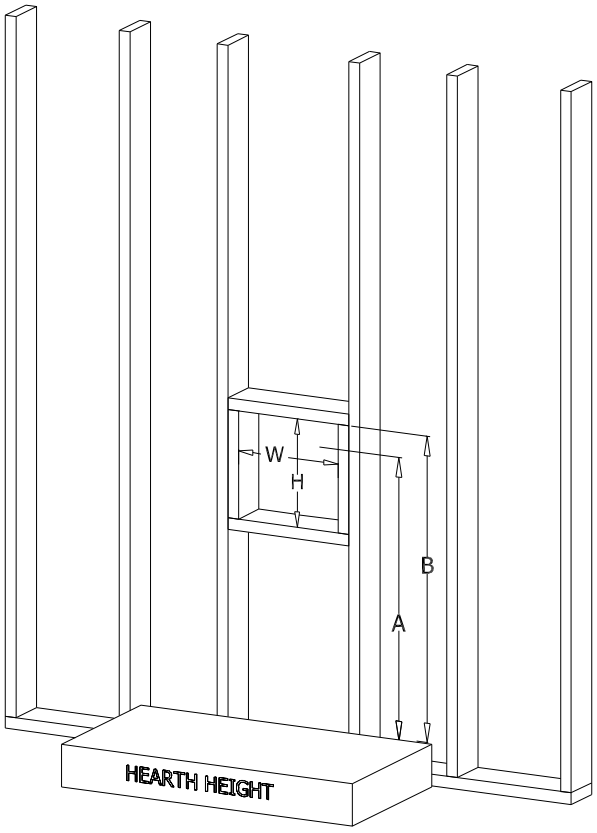
FIRE HAZARD: Do NOT install directly on carpeting, vinyl, or any combustible material other than wood.

IMPORTANT: Vent cap location must be in compliance with the guidelines on page #34 of this manual.

HORIZONTAL TERMINATIONS

Frame a 12-1/2" (318 mm) high (H) x 10-7/8" (276 mm) wide (W) opening on the exterior wall for the chimney termination.

This opening size includes the required 3" (76 mm) top clearance and 1" (25 mm) sides and bottom clearances for approved rigid vent systems and the Kozy Heat #800 series flexible vent system.



MINIMUM HORIZONTAL FRAMING DIMENSIONS		
	VENT PIPE TOP (A)	FRAMED OPENING TOP (B)
RIGID PIPE	42-1/8" (1070 mm)	45-1/8" (1146 mm)
FLEX PIPE	49" (1245 mm)	52" (1321 mm)

VERTICAL TERMINATIONS

Follow vent pipe manufacturer's installation instructions for vertical terminations. A minimum 1" (25 mm) clearance on all sides of vertical vent pipe must be maintained.

The included Horizontal Vent Heat Shield is not used for vertical configurations.

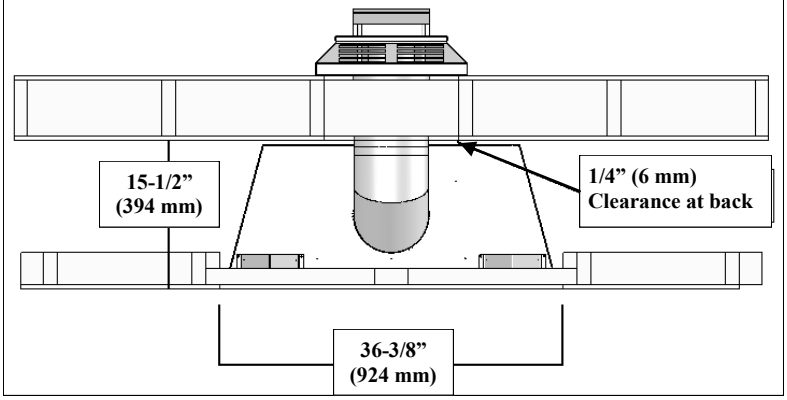
CAUTION: Cold air transfer area. The surrounding fireplace chase must comply with all clearances as outlined in this manual and be constructed in compliance with local building codes. Outside walls should be insulated to prevent cold air from entering room.

CAUTION: Due to high temperatures, this fireplace should be located out of traffic areas and away from furniture and draperies.

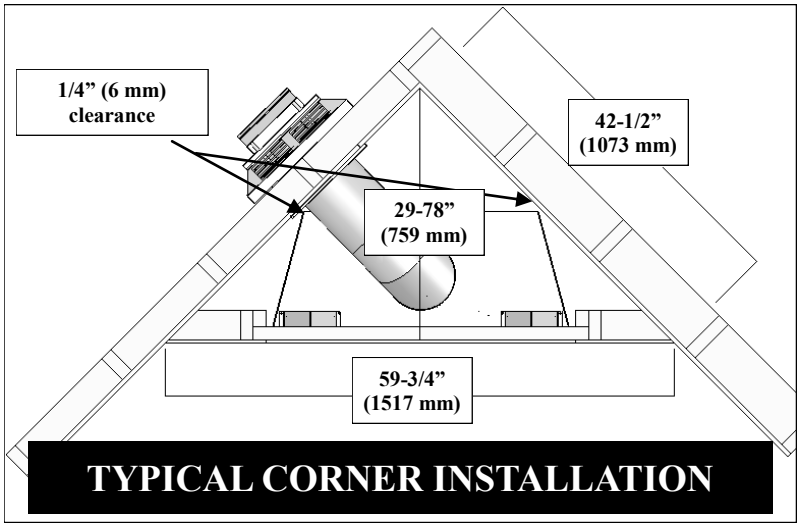
TYPICAL INSTALLATION OPTIONS

IMPORTANT: KOZY HEAT WALL THIMBLE PASS-THRU (#800-WPT) MUST BE USED ON ALL HORIZONTAL VENT RUNS USING 5" x 8" VENTING. FOLLOW INSTRUCTIONS ON PAGE 22 OF THIS INSTALLATION MANUAL.

TYPICAL HORIZONTAL INSTALLATION



IMPORTANT: THE HORIZONTAL HEAT SHIELD INCLUDED WITH THIS FIREPLACE MUST BE INSTALLED WHEN USING A 90-DEGREE ELBOW DIRECTLY OFF THE TOP OF UNIT TO HORIZONTALLY POSITION THE VENT SYSTEM. THIS INCLUDES ANY CORNER INSTALLATION.

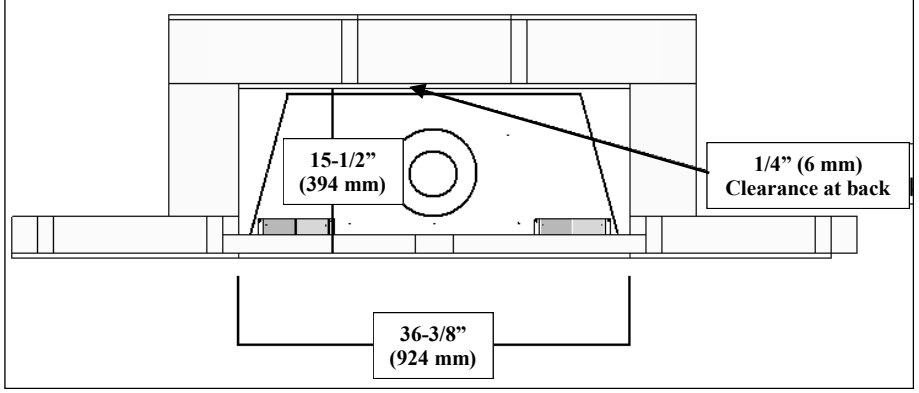


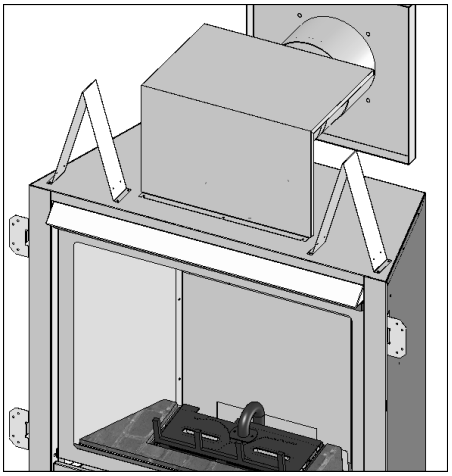
TYPICAL CORNER INSTALLATION

NOTE: STAND-OFF HEAT SHIELD NOT SHOWN FOR CLARITY PURPOSES ONLY.

IMPORTANT: The illustration below shows the Horizontal Vent Heat Shield installed. All other illustrations on this page have the Horizontal Vent Heat Shield removed for clarity purposes only.

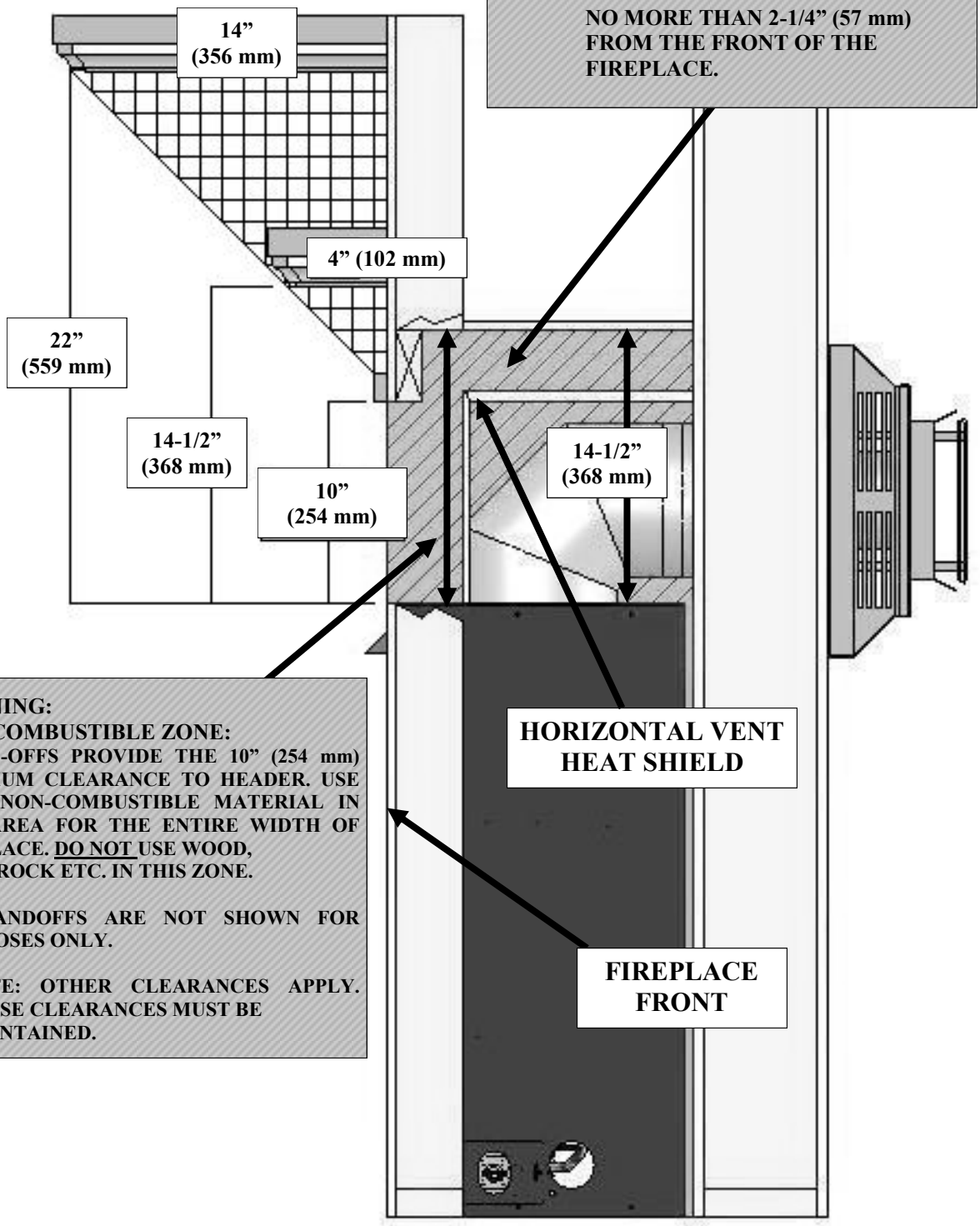
TYPICAL VERTICAL INSTALLATION





MANTEL REQUIREMENTS

NON-COMBUSTIBLE ZONE:
NO COMBUSTIBLE MATERIALS ALLOWED ON TOP OF FIREPLACE WITHIN THE SHADED AREA FOR THE ENTIRE WIDTH AND DEPTH OF THE FIREPLACE WITH THE EXCEPTION OF THE HEADER. BACKSIDE OF HEADER MUST BE NO MORE THAN 2-1/4" (57 mm) FROM THE FRONT OF THE FIREPLACE.



WARNING:
NON-COMBUSTIBLE ZONE:
STAND-OFFS PROVIDE THE 10" (254 mm) MINIMUM CLEARANCE TO HEADER. USE ONLY NON-COMBUSTIBLE MATERIAL IN THIS AREA FOR THE ENTIRE WIDTH OF FIREPLACE. DO NOT USE WOOD, SHEETROCK ETC. IN THIS ZONE.

REQUIRED STANDOFFS ARE NOT SHOWN FOR CLARITY PURPOSES ONLY.

NOTE: OTHER CLEARANCES APPLY. THESE CLEARANCES MUST BE MAINTAINED.

GLASS FRAME ASSEMBLY

REMOVE GLASS FRAME ASSEMBLY

CAUTION: TO PREVENT THE GLASS FRAME ASSEMBLY FROM FALLING FROM THE FIREPLACE AND BECOMING DAMAGED, FOLLOW THESE INSTRUCTIONS EXACTLY WHEN REMOVING GLASS FRAME ASSEMBLY.

WARNING: DO NOT REMOVE GLASS ASSEMBLY WHEN HOT!

A. Locate the spring-loaded handles securing glass frame assembly at the top & bottom of firebox.

B. Pull bottom handles out and 'down' to release glass frame assembly bottom.

C. Pull top handles out and 'up' to release glass frame assembly top.

D. Remove glass frame assembly from fireplace.

WARNING: DO NOT OPERATE THIS FIREPLACE WITH THE GLASS REMOVED, CRACKED OR BROKEN. REPLACEMENT OF GLASS FRAME ASSEMBLY, PART #DSL-057T SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON.

INSTALL GLASS FRAME ASSEMBLY

CAUTION: TO PREVENT GLASS FRAME ASSEMBLY FROM FALLING OFF WHEN INSTALLING, SECURE TOP GLASS LATCH BRACKETS BEFORE SECURING BOTTOM BRACKETS.

A. Place glass frame assembly onto fireplace front.

B. Pull top handles out and 'down' to secure glass frame assembly top.

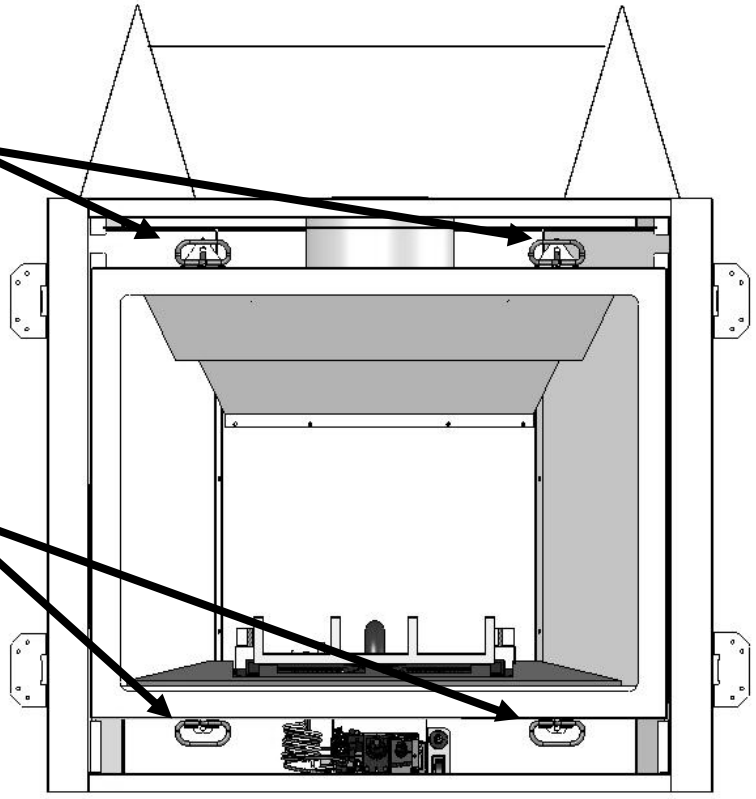
C. Pull bottom handles out and 'up' to secure glass frame assembly bottom.

Pull latches 'out' and 'up' to release glass frame assembly top.

Pull latches 'out' and 'down' to attach glass frame assembly top.

Pull latches 'out' and 'down' to release glass frame assembly bottom.

Pull latches 'out' and 'up' to attach glass frame assembly bottom.



OPTIONAL FAN INSTALLATION

INSTALLATION OF THIS FAN SHOULD BE DONE ONLY BY A QUALIFIED INSTALLER

WARNING: MAKE SURE HOUSEHOLD BREAKER IS SHUT OFF PRIOR TO WORKING ON ANY ELECTRICAL LINES.

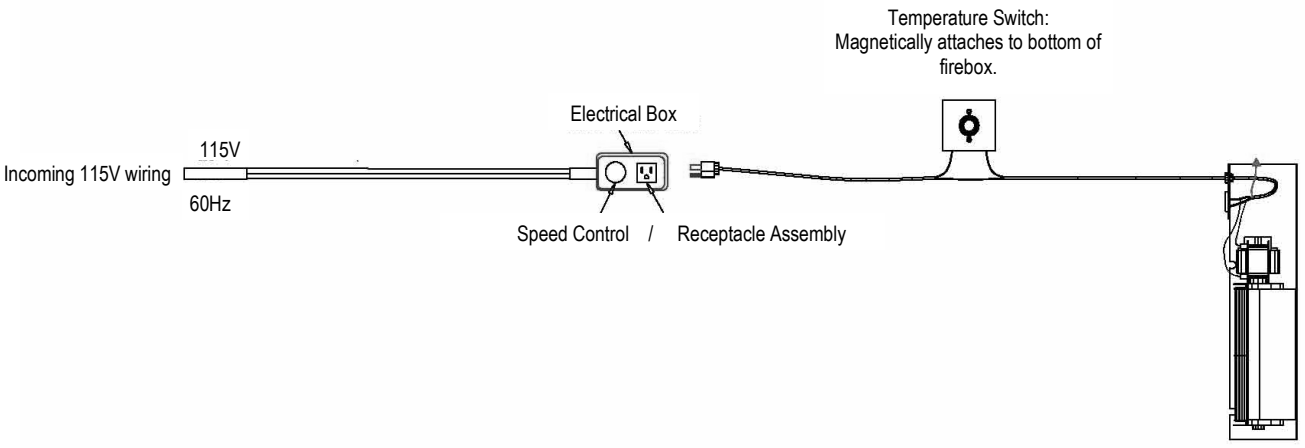
IMPORTANT: If installing a fan, it is easier to complete before the millivolt board is connected to the gas line. Wiring must be done before enclosing fireplace sides. An electrical box and romex connector are pre-installed on a removable panel on the right side of fireplace. A receptacle / speed control assembly and (3) wire nuts are included in the fireplace components packet.

The optional fan kit #TMT-028 includes:

(1) 75 CFM fan with temperature control switch and 4 ft. (1219 mm) fan cord
(2) 1/4" nuts

NOTE: Code approved line voltage wiring 14 gauge or better must be used when wiring this assembly. Refer local electrical codes for specific requirements.

WARNING: THIS APPLIANCE IS EQUIPPED WITH A THREE-PRONG (GROUNDING) PLUG FOR PROTECTION AGAINST SHOCK HAZARD AND SHOULD BE PLUGGED DIRECTLY INTO A PROPERLY GROUNDED THREE-PRONG RECEPTACLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG.



The following components must be removed from the fireplace prior to installation of this fan. Refer to the corresponding pages in this installation manual for assistance if necessary.

A. Upper hood, upper louver & lower grill, if installed. Page 42.

B. Glass assembly. Page 16.

OPTIONAL FAN INSTALLATION

NOTE: **Illustrations shown without millivolt board for clarity purposes only.**

1. Insert fan through the lower grill opening on left side of gas valve. Align mounting slots in the fan bracket onto the mounting studs located at the fireplace rear. Secure with nuts.

2. From inside the lower right grill opening, loosen screw securing the removable access panel (with electrical box & romex connector installed). Remove panel.

3. Insert 115V wiring (with ground) through romex connector and wire to the speed control / receptacle assembly matching the black (hot) white (neutral) and green (ground) wires to the corresponding wires on the speed control / receptacle assembly.

NOTE: Speed control / receptacle assembly & (3) wire nuts are included in the fireplace components packet.

4. Secure speed control / receptacle assembly to the electrical box with the (2) screws provided.

5. Re-install electrical access panel. Tighten screw.

6. Attach the temperature control switch to the bottom of firebox.

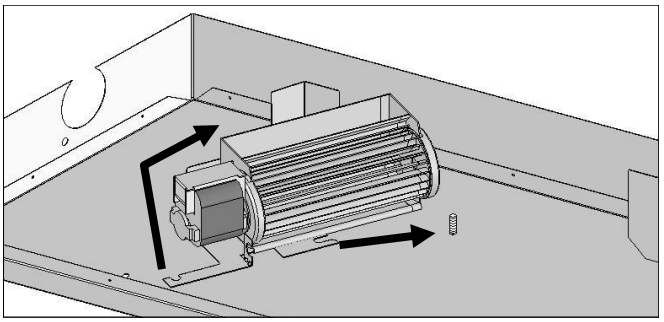
7. Plug cord into the electrical box receptacle.

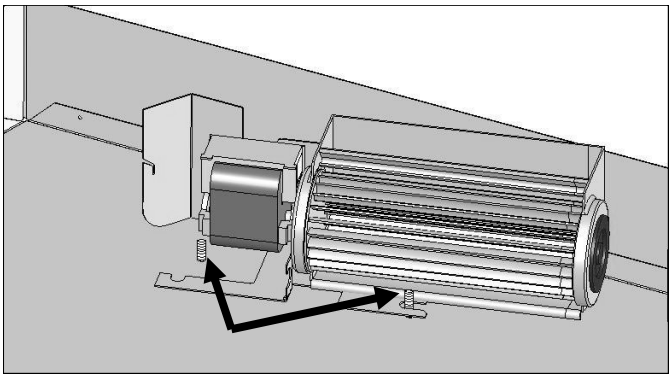
8. Turn speed control counter-clockwise until it 'clicks'. This is the 'OFF' position.

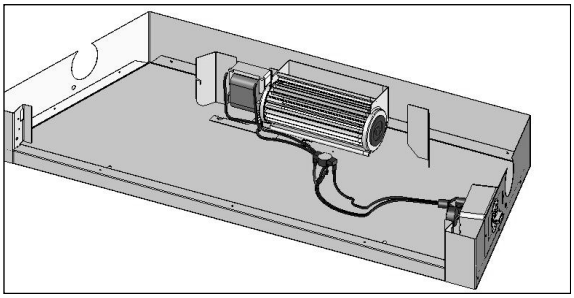
9. Turn speed control 'ON' by turning the knob clockwise past the 'click' - this is the highest setting.

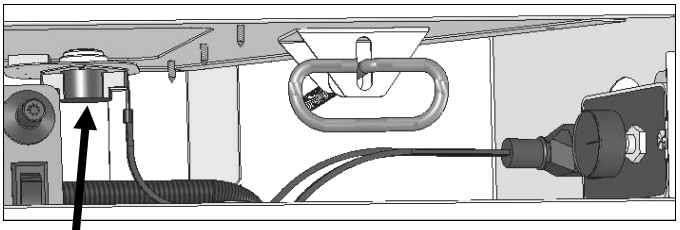
10. Re-install glass assembly.

11. Re-install lower grill, upper louver & upper hood. Refer to page 42 of this installation manual if necessary.









Temperature Control Switch (Looking through lower grill opening).

NOTE: This appliance must be electrically grounded and connected in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 Current Edition, or the Canadian electrical Code CSA C22.1.

NOTE: This fan will not operate unless the speed control has been turned 'ON' and sufficient heat has been applied to the temperature control switch. The fan will turn 'ON' and 'OFF' automatically as the fireplace heats and cools. Adjust fan to desired speed while it is running.

TEMPERATURE CONTROL SWITCH POSITION

Before adjusting the temperature control switch, unplug the 3-prong plug on the fan cord from the receptacle.
Adjust position of the temperature control switch to a warmer location under the firebox to turn fan 'ON' sooner or move it to a cooler location under firebox to turn the fan 'ON' later. The fan will turn on when the sensor in the temperature control switch reaches 110° F and will turn 'OFF' when the sensor reaches 90° F. After adjustment, plug the 3-prong plug on fan cord into the receptacle.

GAS LINE CONNECTION

GAS CONVERSION

This fireplace is manufactured for use with Natural Gas. An LP conversion kit, Part #OCK-S53A, is included with this fireplace. Follow instructions included with this conversion kit if converting to LP gas.

ATTENTION: The conversion shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the ANSI Z223.1 installation code.

CAUTION: Installation of the gas line must only be done by a qualified person in accordance with local building codes, if any. If not, follow ANSI 223.1.

(In the Commonwealth of Massachusetts installation must be done by a licensed plumber of gas fitter).

NOTE: This fireplace is equipped with a 3/8"(10 mm) x 18" (457 mm) long flexible gas connector and manual shut-off valve. The gas line should be run to the point of connection where the shut-off valve and flexible gas line will connect.

NOTE: A listed (and Commonwealth of Massachusetts approved) 12" (13 mm) T- handle manual shut-off valve and flexible gas connector (included) are connected to the 1/2" (13 mm) control valve inlet.

If substituting for these components, please consult local codes for compliance.

	NATURAL GAS	LP GAS
MINIMUM INLET GAS PRESSURE	5.0 inches W.C. (7.0 W.C. recommended)	11.0 inches W.C. (recommended)
MAXIMUM INLET GAS PRESSURE	10.5 inches W.C.	13.0 inches W.C.
MANIFOLD PRESSURE (HI)	3.8 inches W.C	10.0 inches W.C.
MANIFOLD PRESSURE (LO)	1.1 inches W.C.	6.3 inches W.C
ORIFICE SIZE	#42	#53
INPUT BTU/hr.	26,000	24,000
MINIMUM INPUT BTU/hr.	13,000	12,000
EFFICIENCY	64.82	70.42
AFUE	63.97	69.51
P-4 AFE	53.11	56.89

NOTE: The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi.

NOTE: The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas line at test pressures equal to or less than ½ psi (3.5 kPa).

NOTE: For high altitude installations, consult the local gas distributor or the authority having jurisdiction for proper rating methods.

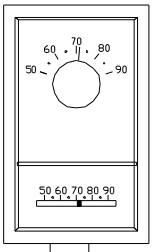
IMPORTANT: The efficiency rating of this appliance is a product of thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.

THERMOSTAT / WALL SWITCH / REMOTE

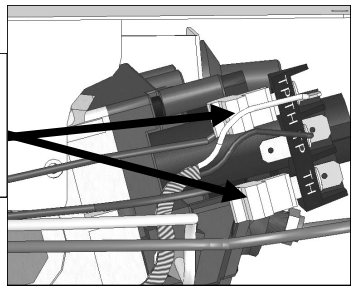
CAUTION: DO NOT CONNECT HIGH VOLTAGE (115V) WIRE TO THE GAS VALVE!

NOTE: INSTALLATION OF THERMOSTAT OR WALL SWITCH SHOULD ONLY BE DONE BY A QUALIFIED INSTALLER.

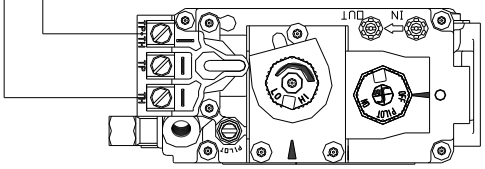
If desired, a thermostat (wireless style also available), wall switch, or remote control assembly may be used to turn the fireplace 'OFF' and 'ON'. Only ONE of these may be installed. Follow instructions included with each assembly.



OPTIONAL:
Disconnect ON/OFF rocker switch wires from the back of gas valve.



Thermostat Wiring Diagram



WALL SWITCH / THERMOSTAT:

Run low-voltage (thermostat) wires from terminals on the gas valve to the desired location of wall switch or thermostat.

Attach the appropriate connectors to wall switch / thermostat wires and connect to the top and bottom terminals marked TH / TPTH on the gas valve.

REMOTE CONTROL:

Follow instructions included with the remote control.

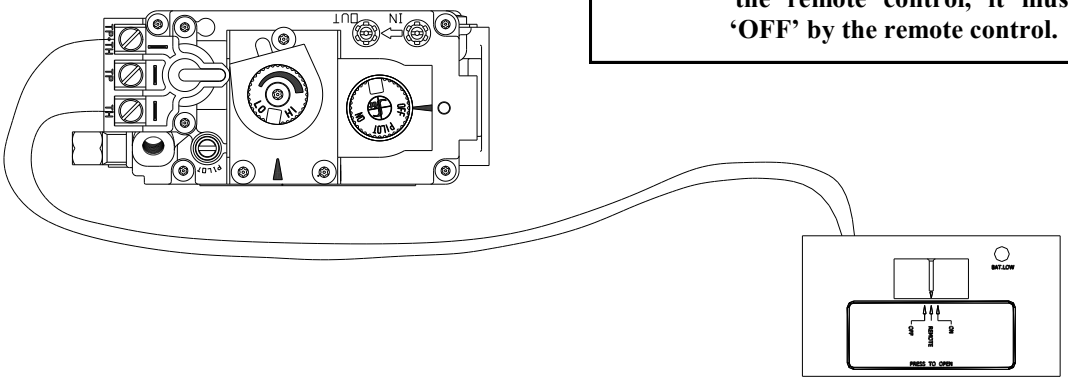
IMPORTANT: If ON/OFF rocker switch wires are <u>not disconnected</u>, the ON/OFF rocker switch on the millivolt board must be in the 'OFF' position for proper operation of any of these components.

If rocker switch is 'ON', the fireplace burner will operate until it is turned 'OFF' by the rocker switch. A wall switch, thermostat, or remote control will not turn the fireplace 'OFF' when it has been turned 'ON' by the rocker switch.

NOTE: The fireplace must be turned 'ON' and 'OFF' by the same method. For example: If fireplace is turned 'ON' by the remote control, it must be turned 'OFF' by the remote control.

IMPORTANT: The insulated cover included with the remote control must be placed over the remote receiver to prevent overheating.

Remote Control Wiring Diagram



VENTING

IMPORTANT: Consult the local and national installation codes to assure adequate combustion and ventilation air is available.

This fireplace is designed to be used with any of the following vent systems without the use of an additional adaptor. Refer to the vent systems manufacturer's installation manual for complete installation instructions. Installation must conform with the venting requirements and restrictions as outlined in this manual.

APPROVED VENTING:

NOTE: See page 54 of this installation manual for a complete list of approved venting caps.

Simpson Dura-Vent DV-PRO 5" x 8" direct vent system (horizontal and vertical terminations).

Simpson Dura-Vent 8" x 6-5/8" Decreaser (used with Simpson Dura-Vent direct vent system only).

Selkirk Metalbestos 5" x 8" direct vent chimney system (horizontal and vertical terminations).

Kozy Heat #800 series flexible vent system (horizontal terminations).

IMPORTANT: KOZY HEAT WALL THIMBLE PASS-THRU (#800-WPT) MUST BE USED ON ALL HORIZONTAL VENT RUNS WHEN USING 5" x 8" VENTING.
FOLLOW INSTRUCTIONS ON PAGE 22 OF THIS INSTALLATION MANUAL.

IF USING DURA-VENT 8" x 6-5/8" DECREASER FOLLOW VENT PIPE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THEIR WALL THIMBLE.

HORIZONTAL VENT SYSTEM CLEARANCES

	TOP	BOTTOM	SIDES
DURA-VENT	3 inches (76 mm)	1 inch (25 mm)	1 inch (25 mm)
SELKIRK METALBESTOS	3 inches (76 mm)	1 inch (25 mm)	1 inch (25 mm)
KOZY HEAT #800 SERIES	3 inches (76 mm)	1 inch (25 mm)	1 inch (25 mm)

HORIZONTAL TERMINATIONS (5" X 8")

MINIMUM: 90° elbow + 6" (152 mm) horizontal + termination cap. (Horizontal Vent Heat Shield required).

MAXIMUM: 90° elbow + 30 ft. (9.14 m)* + termination cap.
*** Horizontal terminations over 25 ft. (7.62 m) must use stainless steel pipe for the entire length of termination.**

HORIZONTAL TERMINATIONS (with 8" x 6-5/8" Decreaser)

MINIMUM: 2 ft. (610 mm) vertical + Decreaser + 90° elbow + 6" (152 mm) horizontal + termination cap.

MAXIMUM: 2 ft (61 mm) vertical + Decreaser + 90° elbow + 30 ft.* (9.14 m) horizontal + termination cap.
*** Horizontal terminations over 25 ft. (7.62 m) must use stainless steel pipe for the entire length of termination.**

IMPORTANT: THE HORIZONTAL HEAT SHIELD INCLUDED WITH THIS FIREPLACE MUST BE INSTALLED WHEN USING A 90-DEGREE ELBOW TO HORIZONTALLY POSITION THE VENT SYSTEM. THIS INCLUDES ANY CORNER INSTALLATION.

IMPORTANT: Flame height and appearance will vary depending upon venting configuration and type of fuel used. Venting requirements apply to both Natural and LP gas.

VENTING

#800-WPT WALL PASS-THRU

IMPORTANT: #800-WPT WALL PASS-THRU MUST BE USED ON ALL HORIZONTAL VENT TERMINATIONS USING 5" x 8" VENTING. THIS INCLUDES BOTH INTERIOR AND EXTERIOR WALLS. FOLLOW INSTRUCTIONS BELOW.

IF VENTING REQUIRES A 8" X 6-5/8" DECREASER, FOLLOW VENT PIPE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THEIR WALL THIMBLE.

HORIZONTAL TERMINATIONS CLEARANCES

TOP: 3" (76 mm) SIDES & BOTTOM: 1" (25 mm)

FRAMING DIMENSIONS FOR #800-WPT KOZY HEAT WALL PASS-THRU

12-1/2" (318 mm) HIGH x 10-7/8" (276 mm) WIDE

WARNING: MAINTAIN ALL CLEARANCES AS STATED IN THIS INSTALLATION MANUAL.

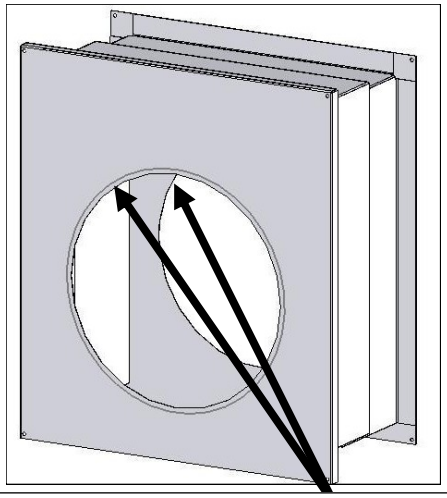
IMPORTANT: If using the Kozy Heat series flexible vent system, remove the inner ring on each wall thimble section with a tin snips. This will provide adequate room for the flexible vent system.

A. Measure wall thickness; cut insulation panel (included) this length.

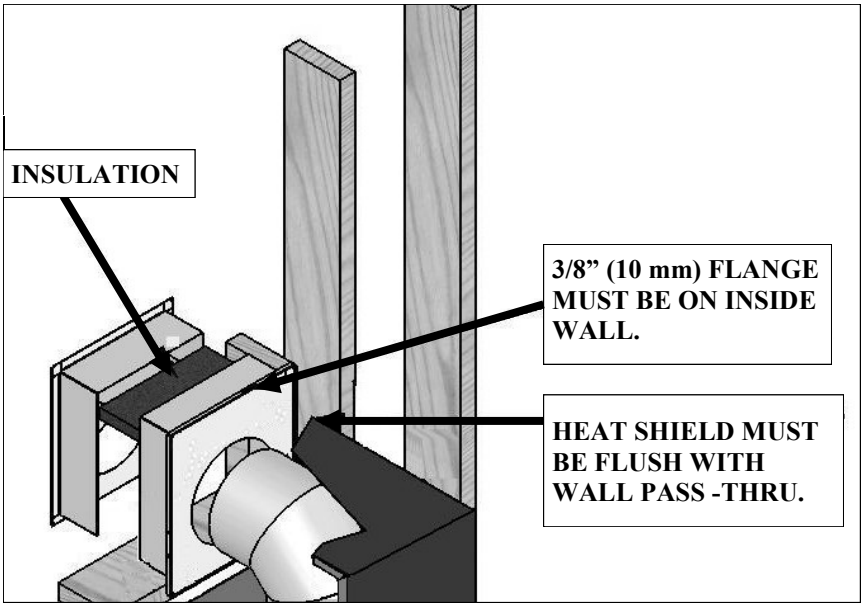
B. Install wall pass-thru section marked #1 (with 3/8" (10 mm) flange) into framed opening. Secure to interior wall with screws (not provided).

C. From the exterior, place insulation between flange and top of framed opening in wall pass-thru section #1.

D. Install section marked #2 of wall pass-thru into framed opening, overlapping the metal sections as necessary to accommodate wall thickness. Secure to exterior wall with screws (not provided).



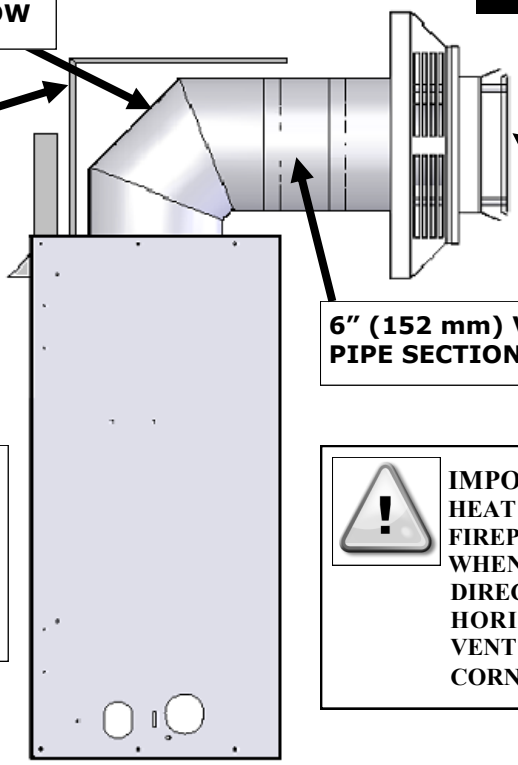
CUT RING OUT OF BOTH SECTIONS IF USING #800 SERIES FLEX VENTING.



VENTING

HORIZONTAL TERMINATIONS

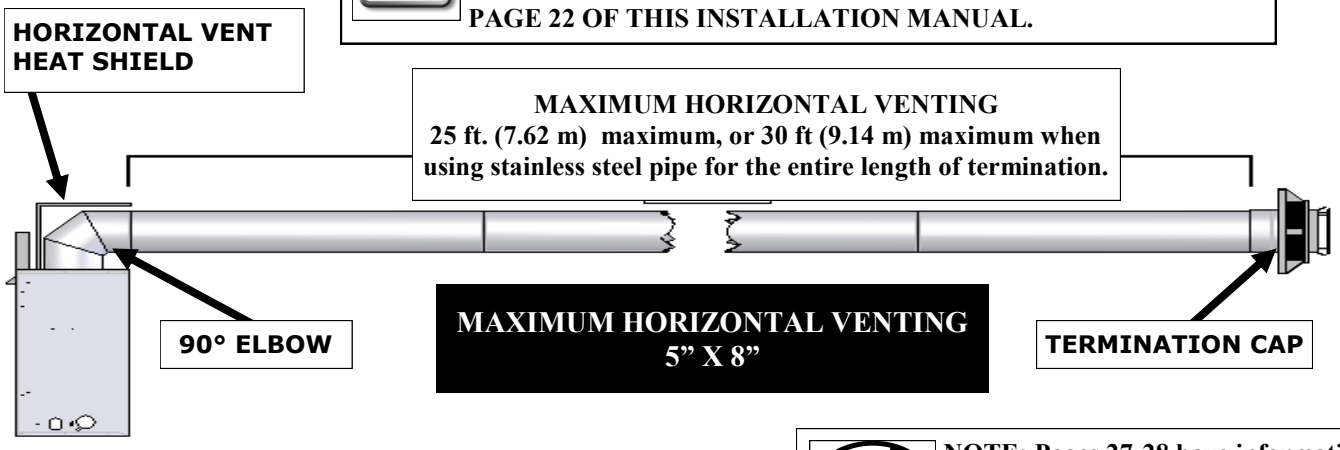
MINIMUM HORIZONTAL VENTING



CAUTION: This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

IMPORTANT: THE HORIZONTAL HEAT SHIELD INCLUDED WITH THIS FIREPLACE MUST BE INSTALLED WHEN USING A 90-DEGREE ELBOW DIRECTLY OFF THE TOP OF UNIT TO HORIZONTALLY POSITION THE VENT SYSTEM. THIS INCLUDES ANY CORNER INSTALLATION.

IMPORTANT: KOZY HEAT WALL THIMBLE PASS-THRU (#800-WPT) MUST BE USED ON ALL HORIZONTAL VENT RUNS USING 5" x 8" VENTING. FOLLOW INSTRUCTIONS ON PAGE 22 OF THIS INSTALLATION MANUAL.


HORIZONTAL VENT HEAT SHIELD
MAXIMUM HORIZONTAL VENTING
25 ft. (7.62 m) maximum, or 30 ft (9.14 m) maximum when using stainless steel pipe for the entire length of termination.
90° ELBOW
TERMINATION CAP

MAXIMUM HORIZONTAL VENTING 5" X 8"

NOTE: Horizontal sections require 1/4" (6 mm) rise for every 12" (305 mm) of travel.

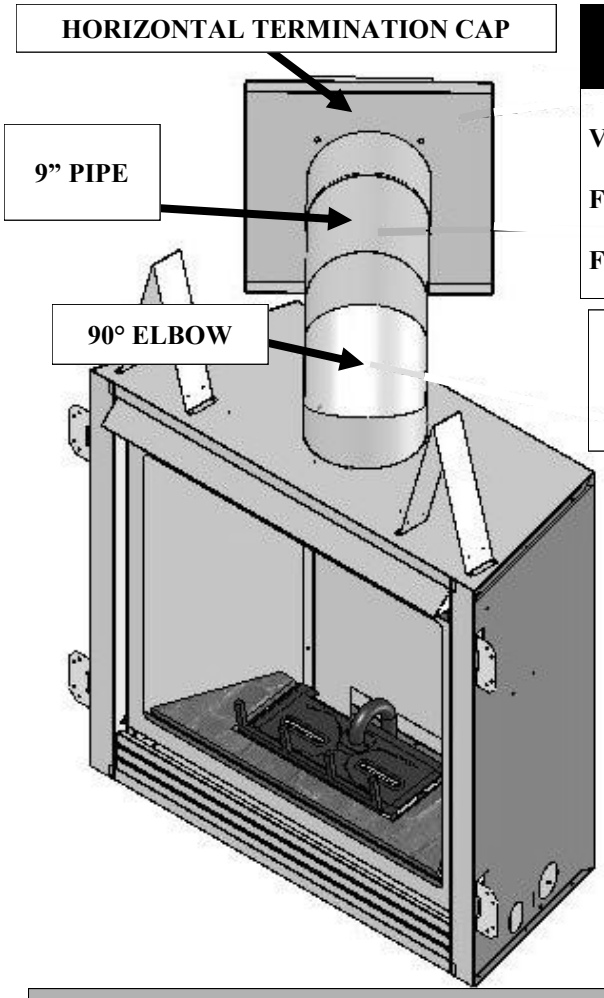
NOTE: Pages 27-28 have information on restrictor installation in conjunction with venting installation. Page 49 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

VENTING

HORIZONTAL TERMINATIONS

TYPICAL CORNER INSTALLATION 5” X 8”

90° elbow + 9” (229 mm) horizontal + termination cap. Horizontal Vent Heat Shield required.



Shown without Horizontal Vent Heat Shield for clarity purposes only.

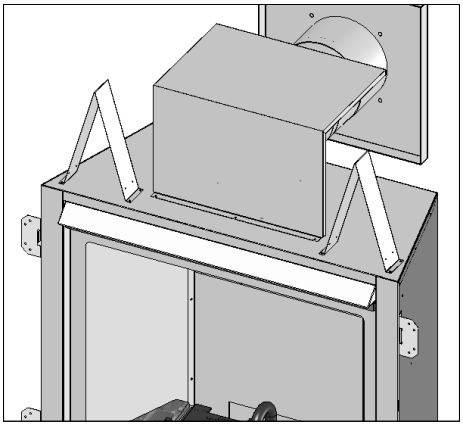
VENTING DIMENSIONS FOR MINIMUM CORNER INSTALLATIONS USING 5” x 8”

Vent Opening Dimensions: 12-1/2” (318 mm) H x 10-7/8” (276 mm)

From Floor or Hearth to Vent Opening Center: 37-7/8” (962 mm)

From Corner to Vent Opening Center: 15-7/8” (403 mm)

NOTE:
STAND-OFF HEAT SHIELD NOT SHOWN FOR CLARITY PURPOSES ONLY.



IMPORTANT: THE HORIZONTAL HEAT SHIELD INCLUDED WITH THIS FIREPLACE MUST BE INSTALLED WHEN USING A 90-DEGREE ELBOW DIRECTLY OFF THE TOP OF UNIT TO HORIZONTALLY POSITION THE VENT SYSTEM. THIS INCLUDES ANY CORNER INSTALLATION.

IMPORTANT: KOZY HEAT WALL THIMBLE PASS-THRU (#800-WPT) MUST BE USED ON ALL HORIZONTAL VENT RUNS USING 5’ x 8” VENTING. FOLLOW INSTRUCTIONS ON PAGE 22 OF THIS INSTALLATION MANUAL.

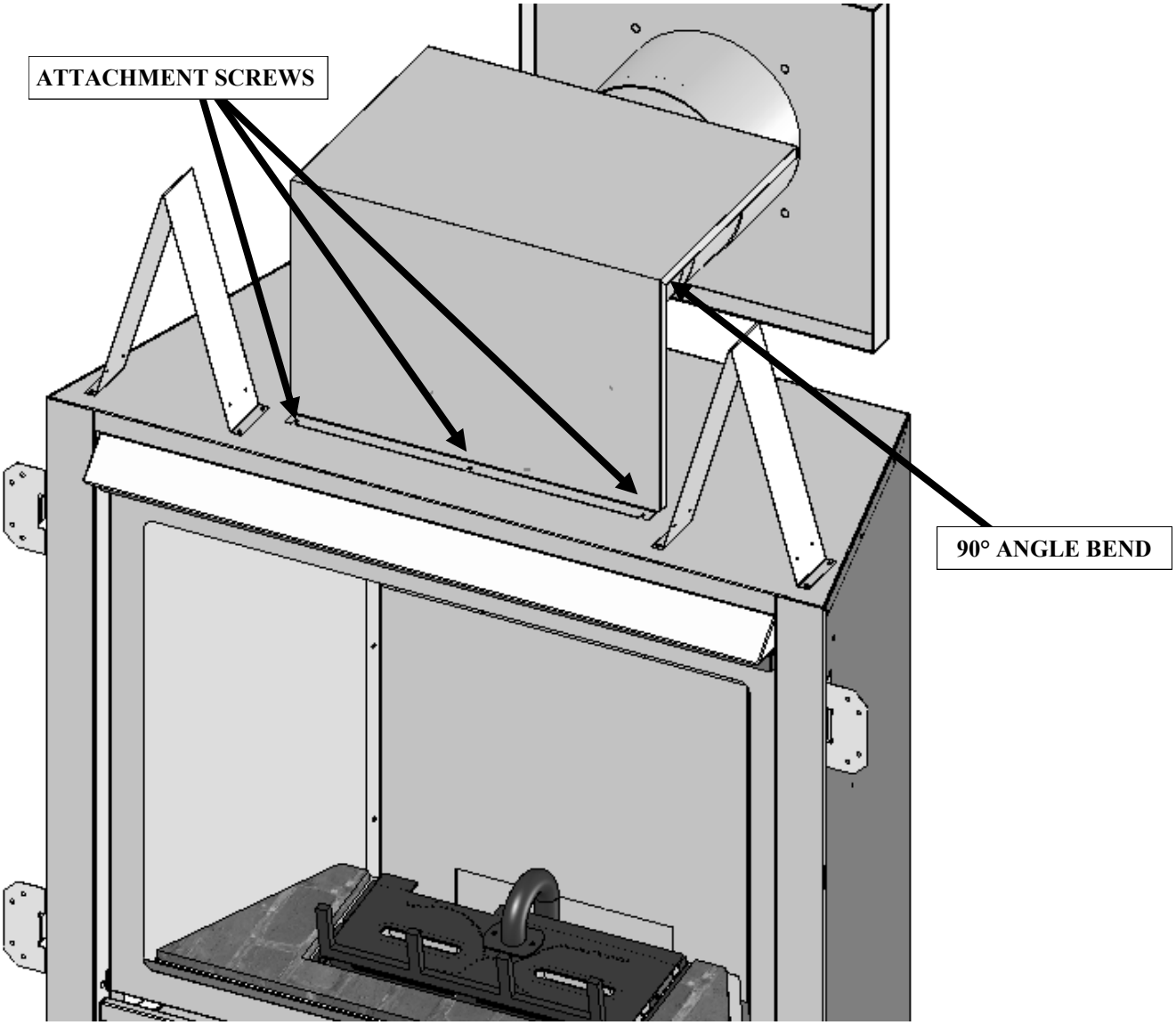
CAUTION: This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

NOTE: Horizontal sections require 1/4” (6 mm) rise for every 12” (305 mm) of travel.

VENTING

HORIZONTAL VENT HEAT SHIELD

1. Loosen, but do not remove center three screws on top of fireplace.
2. Bend horizontal heat shield at perforation to a 90° angle. Slide the (3) slots on horizontal vent heat shield under loosened screws.
3. Re-tighten screws.



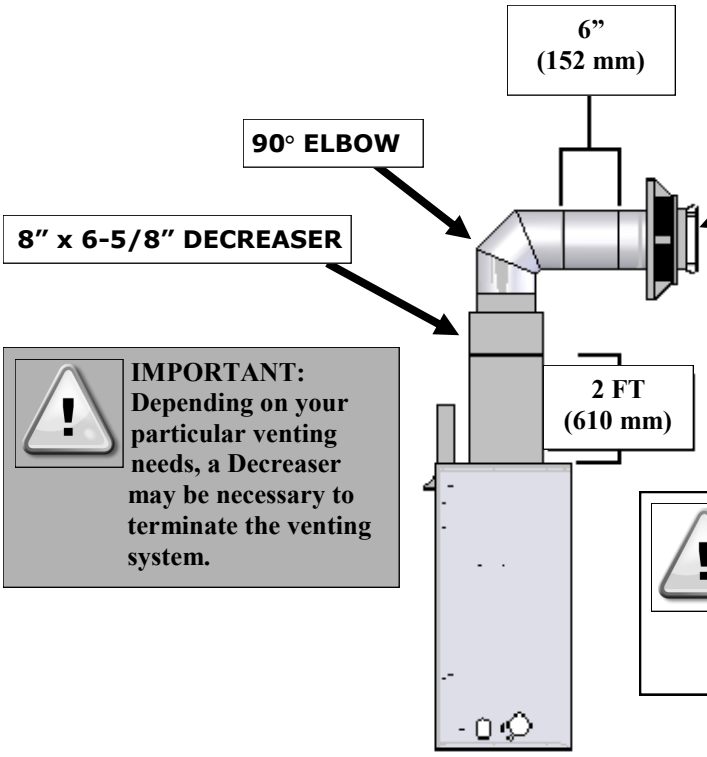
IMPORTANT: THE HORIZONTAL HEAT SHIELD INCLUDED WITH THIS FIREPLACE MUST BE INSTALLED WHEN USING A 90-DEGREE ELBOW DIRECTLY OFF THE TOP OF UNIT TO HORIZONTALLY POSITION THE VENT SYSTEM. THIS INCLUDES ANY CORNER INSTALLATION.

NOTE:
STAND-OFF HEAT SHIELD NOT SHOWN FOR CLARITY PURPOSES ONLY.

VENTING (Horizontal)

HORIZONTAL TERMINATIONS

MINIMUM HORIZONTAL VENTING WITH 8" x 6-5/8" DECREASER

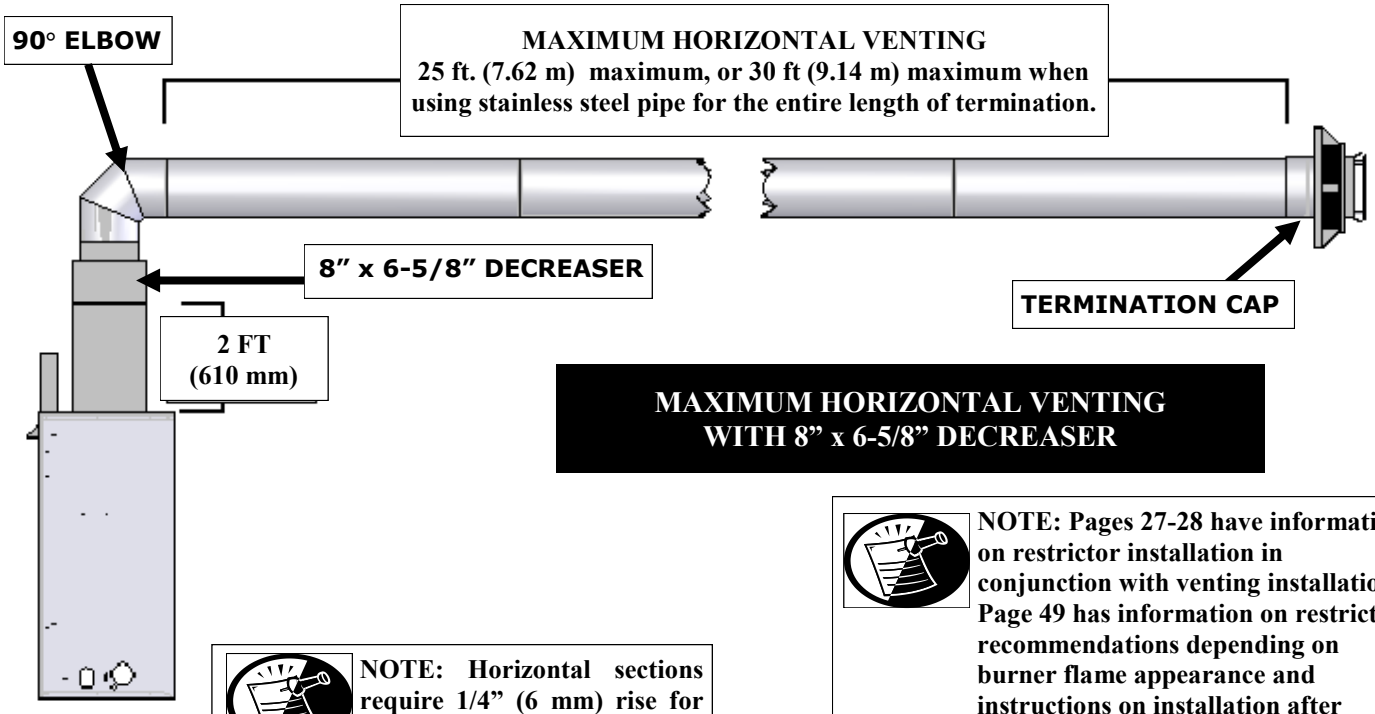


IMPORTANT: Depending on your particular venting needs, a Decreaser may be necessary to terminate the venting system.

CAUTION: This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

IMPORTANT: A WALL THIMBLE PASS-THRU MUST BE USED ON ALL HORIZONTAL VENT RUNS. IF USING A 8" x 6-5/8" DECREASER FOLLOW VENT PIPE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THEIR WALL THIMBLE.

MAXIMUM HORIZONTAL VENTING
25 ft. (7.62 m) maximum, or 30 ft (9.14 m) maximum when using stainless steel pipe for the entire length of termination.



MAXIMUM HORIZONTAL VENTING WITH 8" x 6-5/8" DECREASER

NOTE: Horizontal sections require 1/4" (6 mm) rise for every 12" (305 mm) of travel.

NOTE: Pages 27-28 have information on restrictor installation in conjunction with venting installation. Page 49 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

VENTING

VERTICAL VENT SYSTEM CLEARANCES			
	TOP	**BOTTOM**	**SIDES**
DURA-VENT	1 inch (25 mm)	1 inch (25 mm)	1 inch (25 mm)
SELKIRK METALBESTOS	1 inch (25 mm)	1 inch (25 mm)	1 inch (25 mm)
KOZY HEAT #800 SERIES	DO NOT USE FOR VERTICAL TERMINATIONS		

VERTICAL TERMINATIONS (5" X 8")

MINIMUM: 4 ft. (1.22 m) + cap.

MAXIMUM: 40 ft. (12.19 m) + cap.

VERTICAL TERMINATIONS (with 8" x 6-5/8" Decreaser)

MINIMUM: 6" (152 mm) + Decreaser + 4 ft. (1.22 m) + cap.

MAXIMUM: 6" (152 mm) + Decreaser + 40 ft. (12.19 m) + cap.

NOTE: Horizontal Vent Heat Shield is not used on vertical venting configurations.

RESTRICTOR

A restrictor (included in fireplace components packet) is recommended on all vertical terminations over 6' (1.82 m) in length.

Each installation is unique and affected by various factors including venting configuration, altitude and climate. Therefore, after fireplace installation is complete a restrictor may be required or may need to be removed or modified.

Please refer to page 28 for installation instructions if installing the restrictor in conjunction with the venting.

Page 49 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

HORIZONTAL & VERTICAL COMBINATION TERMINATIONS (5" X 8")

MAXIMUM: 20 ft. (6.10 m) horizontal + 20 ft. (6.10 m) vertical + cap. 40 ft (12.19 m) total.

HORIZONTAL & VERTICAL COMBINATION TERMINATIONS (with 8" x 6-5/8" Decreaser)

MAXIMUM: 6" (152 mm) vertical + Decreaser + 20 ft. (6.10 m) horizontal + 20 ft. (6.10 m) vertical + cap.

ELBOWS

For each additional 90° elbow used after the first elbow, 3 ft. (914 mm) must be subtracted from the maximum allowed venting. For each 45° elbow used, 1-1/2 ft. (457 mm) must be subtracted from the maximum venting allowed.

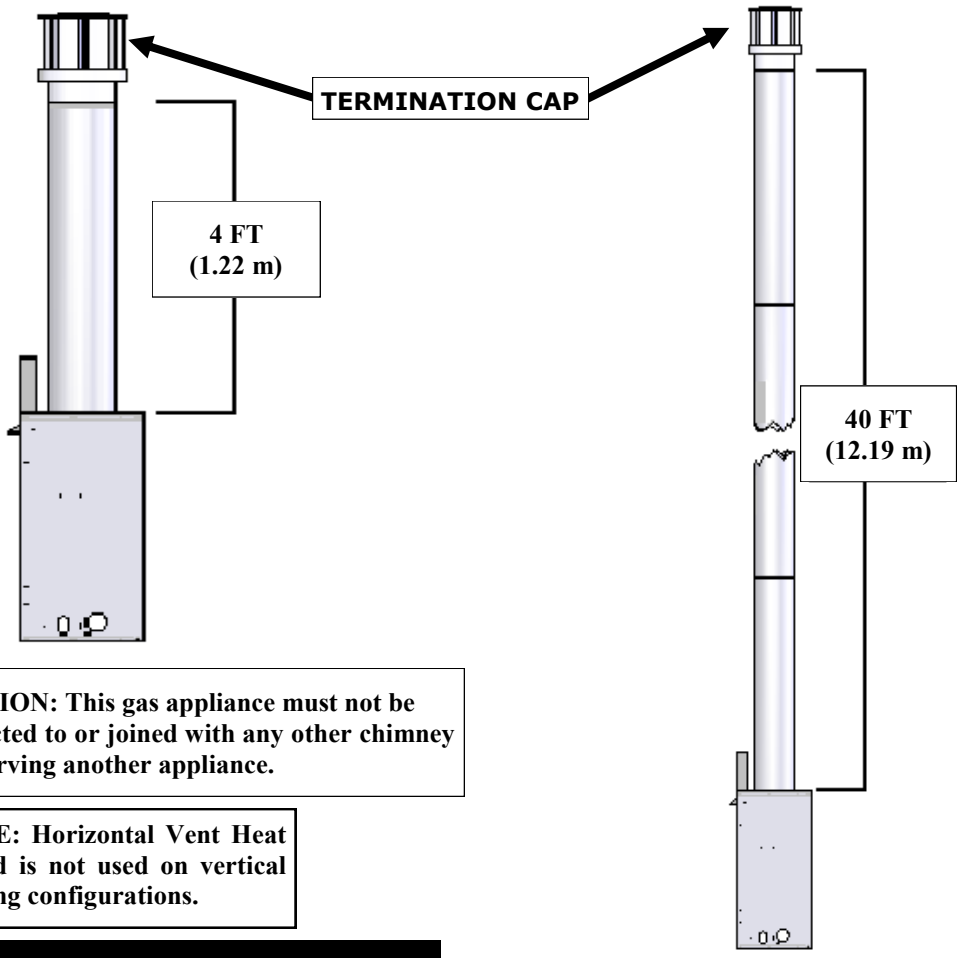
NOTE: (2) 45° degree elbows may be used in place of (1) 90° elbow.

VENTING (Vertical)

VERTICAL TERMINATIONS

MINIMUM VERTICAL VENTING
5" x 8"

MAXIMUM VERTICAL VENTING
5" X 8"

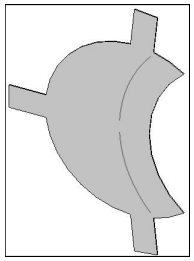


CAUTION: This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

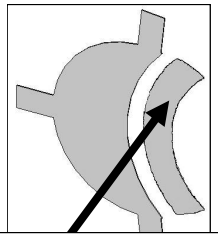
NOTE: Horizontal Vent Heat Shield is not used on vertical venting configurations.

RESTRICTOR INSTALLATION

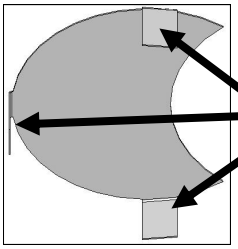
RECOMMENDED ON ALL VERTICAL TERMINATIONS OVER 6' (1.82 m).



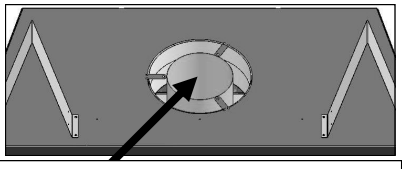
LARGE RESTRICTOR



REMOVE TAB TO CREATE SMALL RESTRICTOR



BEND TABS TO APPROX. 80 DEGREE ANGLES TO CREATE TENSION TO HOLD ITSELF IN PLACE WHEN INSTALLED.



SLIDE RESTRICTOR INTO EXHAUST PIPE ON TOP OF FIREPLACE WITH TABS POINTING TOWARDS YOU PRIOR TO ATTACHING VENTING.

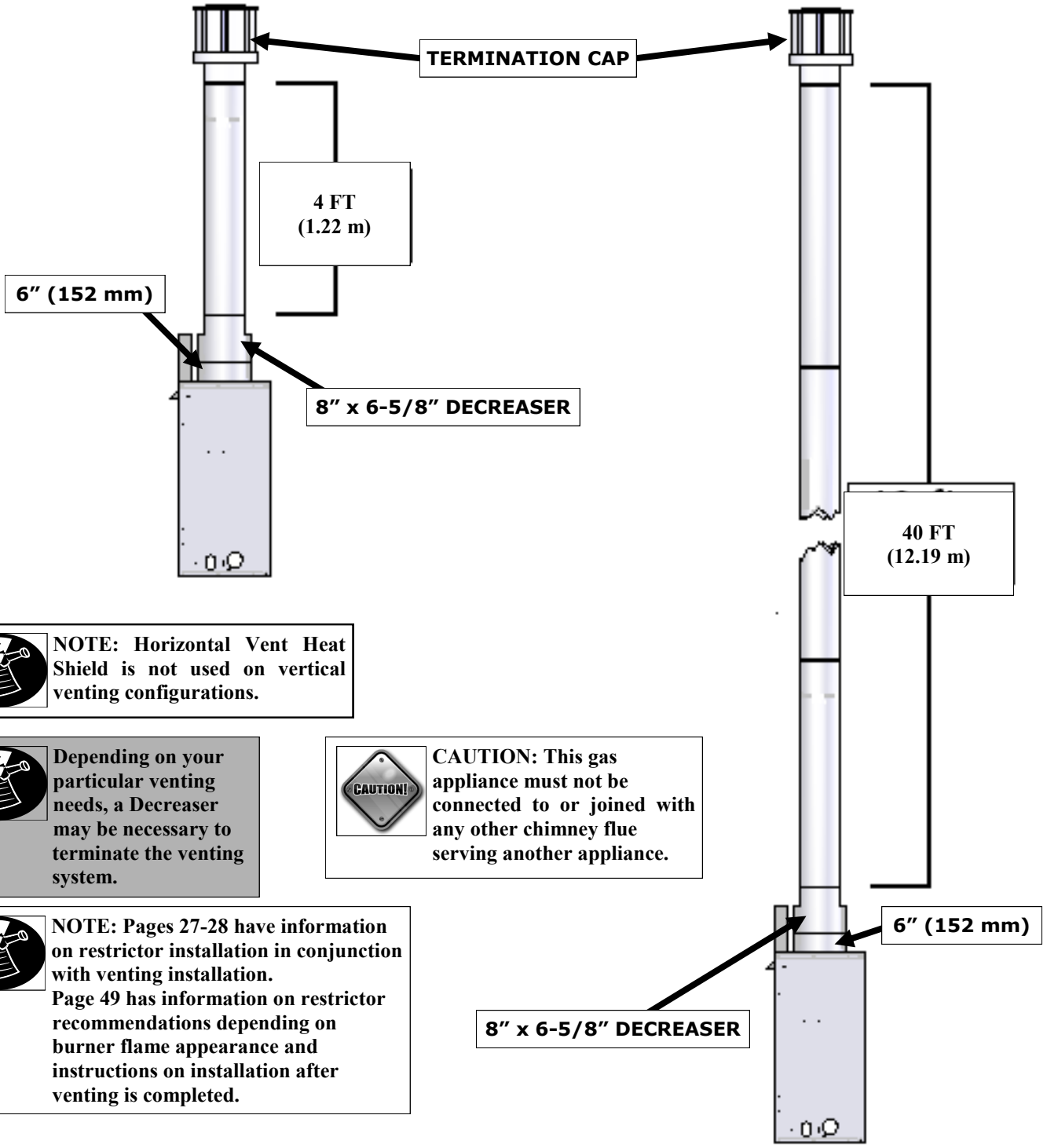
NOTE: Page 49 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

VENTING (Vertical cont.)

VERTICAL TERMINATIONS

MINIMUM VERTICAL VENTING WITH 8" x 6-5/8" DECREASER

MAXIMUM VERTICAL VENTING WITH 8" x 6-5/8" DECREASER



NOTE: Horizontal Vent Heat Shield is not used on vertical venting configurations.

Depending on your particular venting needs, a Decreaser may be necessary to terminate the venting system.

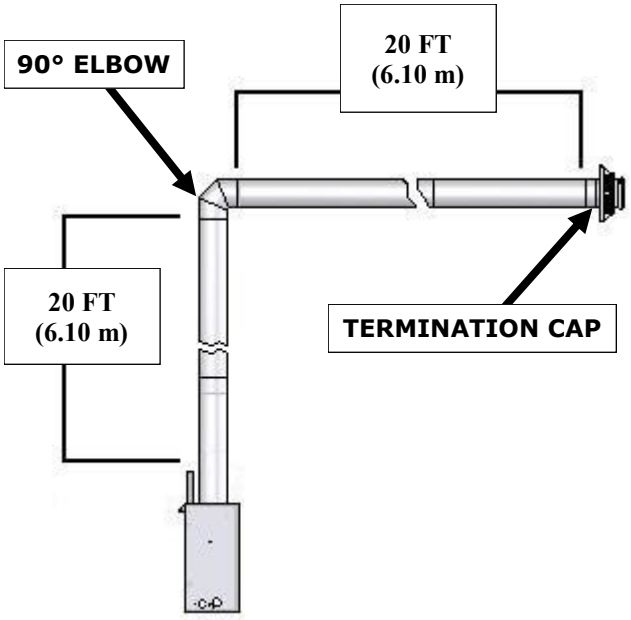
CAUTION: This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

NOTE: Pages 27-28 have information on restrictor installation in conjunction with venting installation.
Page 49 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

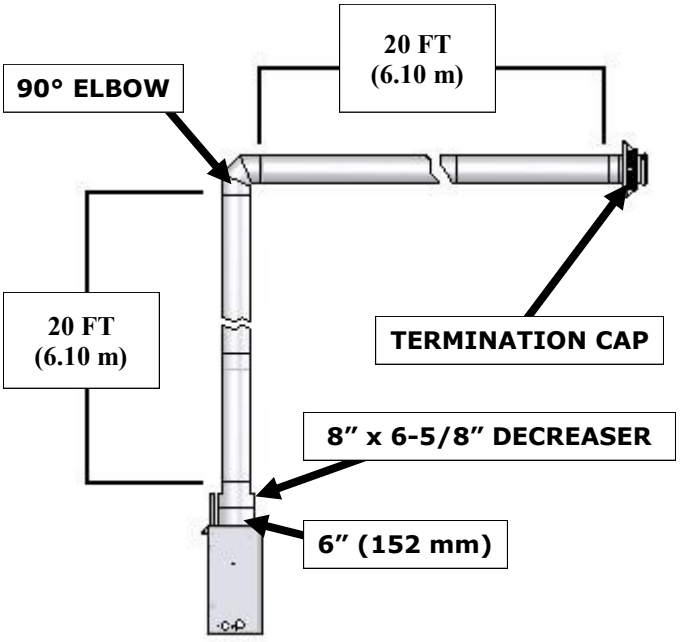
VENTING (Vertical with Decreaser)

VERTICAL & HORIZONTAL COMBINATION TERMINATIONS

MAXIMUM VERTICAL & HORIZONTAL COMBINATION VENTING 5" x 8"



MAXIMUM VERTICAL &HORIZONTAL COMBINATION VENTING WITH WITH 8" x 6-5/8" DECREASER



For each additional elbow used after the first elbow, 3 ft. (914 mm) must be subtracted from the maximum venting allowed. For each 45° elbow used, 1-1/2 ft. (457 mm) must be subtracted from the maximum venting allowed.

NOTE: (2) 45° degree elbows may be used in place of (1) 90° elbow.

NOTE: Horizontal sections require 1/4" (6 mm) rise for every 12" (305 mm) of travel.

IMPORTANT: A WALL THIMBLE PASS-THRU MUST BE USED ON ALL HORIZONTAL VENT RUNS. IF USING A 8" x 6-5/8" DECREASER FOLLOW VENT PIPE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THEIR WALL THIMBLE.

NOTE: Pages 27-28 have information on restrictor installation in conjunction with venting installation.

Page 49 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

Depending on your particular venting needs, a Decreaser may be necessary to terminate the venting system.

CAUTION: This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

VENTING (Horizontal & Vertical Combination)

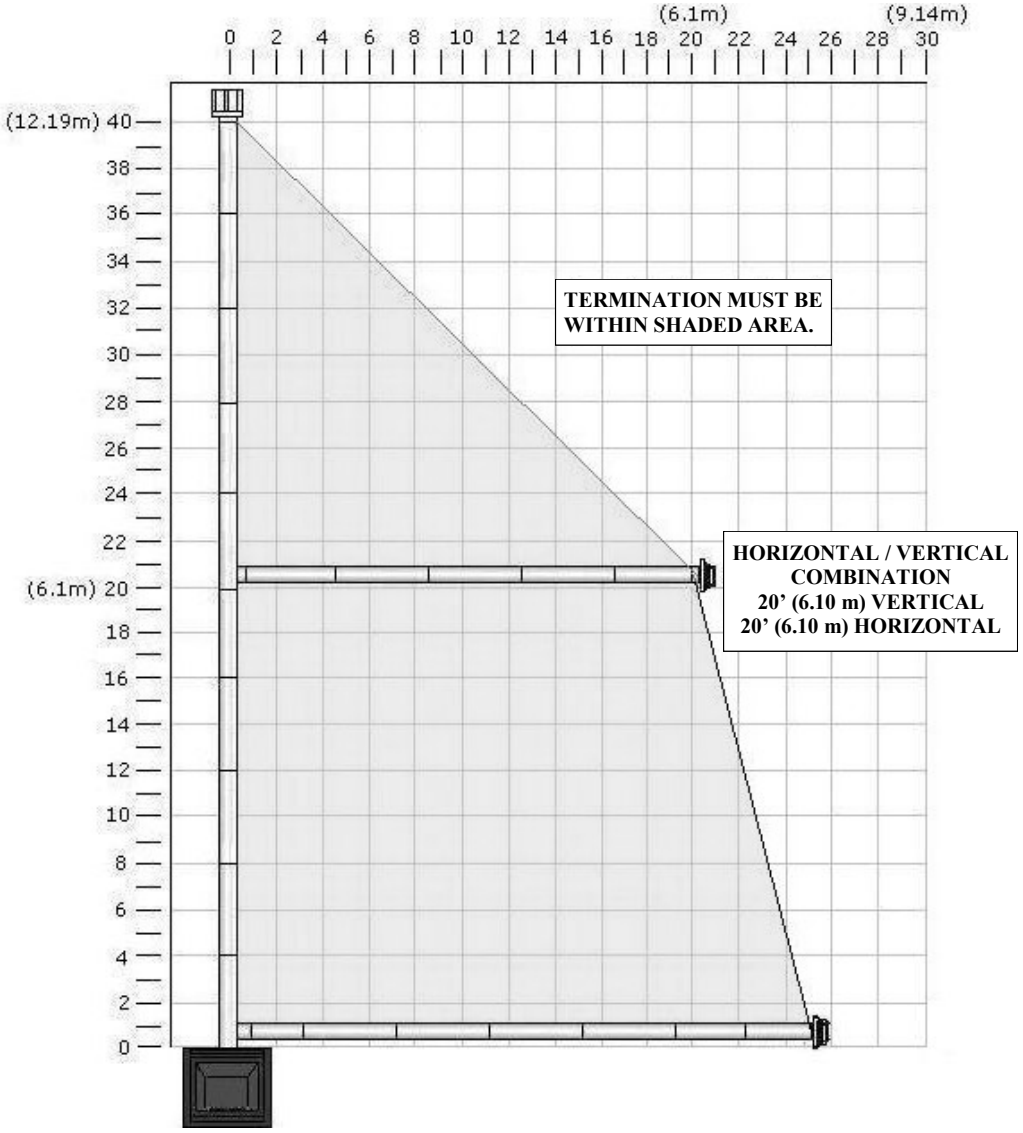
NOTE: Pages 27- 28 have information on restrictor installation in conjunction with venting installation.

Page 49 has information on Restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

NOTE: Horizontal sections require 1/4" (6 mm) rise for every 12" (305 mm) of travel.

CAUTION: This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.

Depending on your particular venting needs, a Decreaser may be necessary to terminate the venting system.



For each additional elbow used after the first elbow, 3 ft. (914 mm) must be subtracted from the maximum venting allowed. For each 45° elbow used, 1-1/2 ft. (457 mm) must be subtracted from the maximum venting allowed.

NOTE: (2) 45° degree elbows may be used in place of (1) 90° elbow.

IMPORTANT: A WALL THIMBLE PASS-THRU MUST BE USED ON ALL HORIZONTAL VENT RUNS THAT PASS THROUGH EITHER INTERIOR OR EXTERIOR WALLS.

IF USING 5" x 8" VENTING, USE KOZY HEAT WALL THIMBLE PASS-THRU (#800-WPT) FOLLOW INSTRUCTIONS ON PAGE 22 OF THIS INSTALLATION MANUAL.

IF USING A 8" x 6-5/8" DECREASER, FOLLOW VENT PIPE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THEIR WALL THIMBLE.

IMPORTANT: THE HORIZONTAL VENT HEAT SHIELD INCLUDED WITH THIS FIREPLACE MUST BE INSTALLED WHEN USING A 90° ELBOW DIRECTLY OFF THE UNIT TO HORIZONTALLY POSITION THE VENT SYSTEM. THIS INCLUDES ANY CORNER INSTALLATION.

VENTING (Flexible (#800 Series)

INSTALLATION OF #800 SERIES DIRECT VENT TERMINATION KIT(S)

IMPORTANT: The flex pipe is permanently attached to the exterior plate. DO NOT ATTACH #844 or the #845 termination kit to the fireplace (or extension kit) until it has passed through the wall. Install termination plates to the outside wall exterior.

HORIZONTAL TERMINATIONS Refer to illustration on following page.

IF TERMINATING AGAINST VINYL SIDING, A VINYL SIDING PROTECTOR, INCLUDED WITH THE #844 AND #845 DIRECT VENT KITS, MUST BE USED. FOLLOW INSTRUCTIONS INCLUDED.

CAUTION: This gas appliance must not be connected to a chimney flu serving another type of appliance.

NOTE:
#844 Extension kit max. length: 38" (965 mm)
#845 Extension kit max. length: 8' (2.44 m)

NOTE: Pages 27-28 have information on restrictor installation in conjunction with venting installation. Page 49 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

1. If your vent system application does not require an extension kit, proceed to step #7.
2. If your vent system application will require one or more extension kits (Part #846), proceed with the following steps. Each #846 extension kit contains enough 5" & 8" flexible aluminum to extend the chimney an additional 6' (1.83 m).
3. Gently stretch 5" & 8" flexible aluminum pipes on the termination kit (#844 or #845) and on each extension kit (if used) the length required for your installation.

IMPORTANT: DO NOT STRETCH EXTENSION KIT BEYOND 6' (1.83 m). DO NOT STRETCH BEYOND WHAT IS REQUIRED - IT IS VERY DIFFICULT TO RECOMPRESS THE FLEX PIPES ONCE STRETCHED.

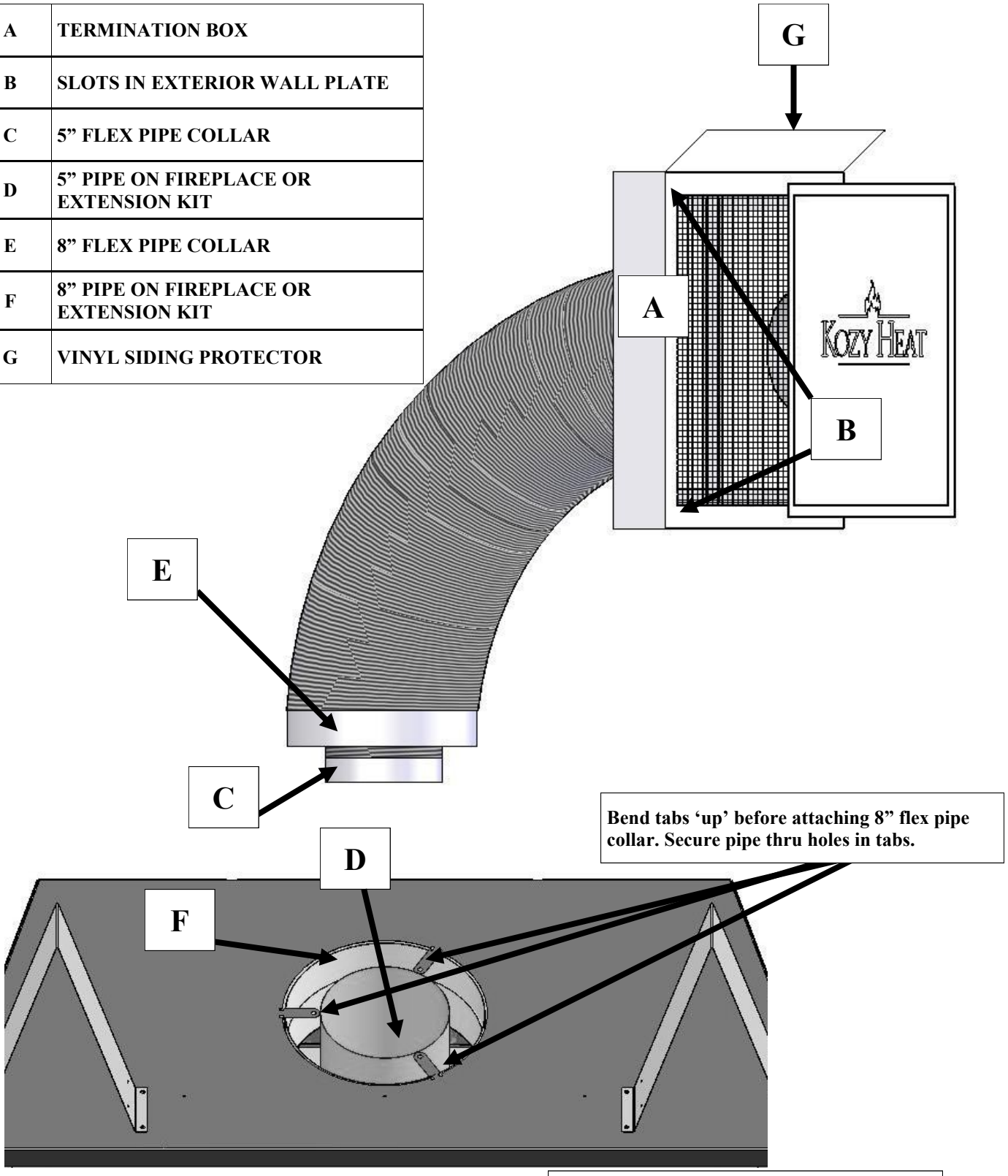
4. Place a bead of sealant outside the 5" flex pipe collar (C) (the end with EXTERNAL lip), sliding it **inside** the 5" pipe on top of fireplace (D). Secure with 3 evenly spaced screws.
5. Place a bead of sealant inside the 8" flex pipe collar (E) (the end with the INTERNAL lip), sliding it **over** the 8" pipe on top of fireplace (F).
6. If additional extension kits are required, repeat steps #4 - #5, placing 5" & 8" pipes onto the previous extension kit.
7. A #800-WPT - Wall Pass Thru must be used for horizontal runs that pass through either interior or exterior walls. Use a tin snips to remove inner ring on each thimble section. This will provide adequate room for the flexible vent system to be installed. Follow directions on page 22 of this installation manual.

NOTE: Attachment brackets are included with the termination kit. These optional brackets should be screwed or nailed (not provided) onto the top and bottom of the 12-1/2" (318 mm) H x 10-7/8" (276 mm) W opening on the exterior of the house. The termination plates then fit between these brackets. Using screws provided, secure brackets to the termination box (A). Attach the vinyl siding protector (G).

8. Apply a liberal bead of exterior sealant around the outer edge of termination box (A), placing the assembly through opening in exterior wall. Place screws through the four slots (B), securing it in place.
9. Gently pull 5" & 8" pipes down to the top of extension kit, or top of fireplace if no extension kits were used.
10. Place a bead of sealant outside 5" flex pipe collar (C) and slide it into 5" pipe on the extension kit or top of fireplace (D). Secure with 3 evenly spaced screws.
11. Place a bead of sealant inside 8" flex pipe collar (E) and slide it over 8" pipe on the extension kit or top of fireplace (F). Secure with 3 evenly spaced screws.
12. **OPTIONAL**: Place insulation between 8" pipe and wall studs.

VENTING (Flexible #800 Series cont.)

A	TERMINATION BOX
B	SLOTS IN EXTERIOR WALL PLATE
C	5” FLEX PIPE COLLAR
D	5” PIPE ON FIREPLACE OR EXTENSION KIT
E	8” FLEX PIPE COLLAR
F	8” PIPE ON FIREPLACE OR EXTENSION KIT
G	VINYL SIDING PROTECTOR



NOTE:
STAND-OFF HEAT SHIELD NOT SHOWN FOR CLARITY PURPOSES ONLY.

TERMINATION VENT CAP LOCATION

This gas appliance must not be connected to a chimney serving any other appliance.

1. Terminations against vinyl siding must use a vinyl siding protector. Follow instructions included.
2. DO NOT RECESS TERMINATION KIT INTO OUTSIDE BUILDING MATERIALS - i.e.: brick, stone, siding, etc. If necessary, extend framing so that termination kit will be exposed once building materials are installed.
3. Vent termination must not be located where it will become plugged by snow or other material. The flow of combustion and ventilation air must be not obstructed.

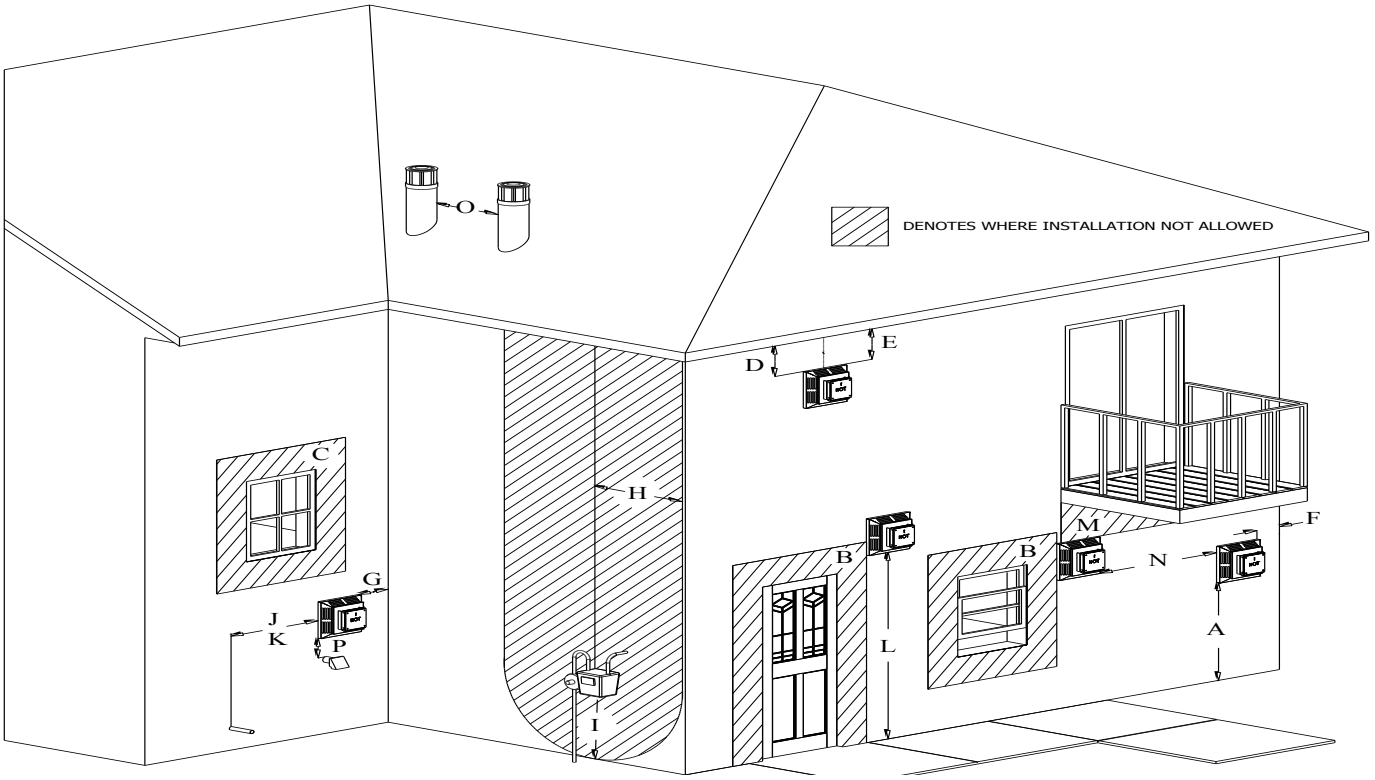
LOCATION CLEARANCES

A. Above grade, veranda, porch, deck, balcony - 12" (305 mm).
B. Operable window or door - CANADA: 12" (305 mm). US: 9" (229 mm).
C. Permanently closed window* - 12" (305 mm) (recommended to prevent condensation on window).
D. Ventilated soffit* - 24" (610 mm).
E. Unventilated soffit* - 12" (305 mm).
F. Outside corner* - 12" (305 mm).
G. Inside corner* - 12" (305 mm).
I. Meter / Regulator: Not to be installed above a gas meter/regulator assembly within 3 ft. (914 mm) horizontally from the centerline of the regulator.
J. Non-mechanical air supply inlet to building or the combustion air inlet to any other appliance. CANADA: 12" (305 mm). US: 9" (229 mm).
K. Mechanical air supply inlet. CANADA: 6 ft. (1.83 m) US: 3 ft. (914 mm) above if within 10 ft. (3.05 m) horizontally. Massachusetts installations: 10 ft. (3.05 m).
L. Above paved side-walk or paved driveway located on public property - 7 ft. (2.13 m).

NOTE: A vent cannot be located directly above a side-walk or paved driveway that is located between two single family dwellings and serves both dwellings.

M. Under veranda, porch, deck, or balcony (must be fully opened on a min. of 2 sides) - 12" (305 mm).
N. Between two horizontal terminations - 12" (305 mm).
O. Between two vertical terminations - 12" (305 mm). Terminations may be the same height.
P. Above furnace exhaust or inlet - 12" (305 mm).

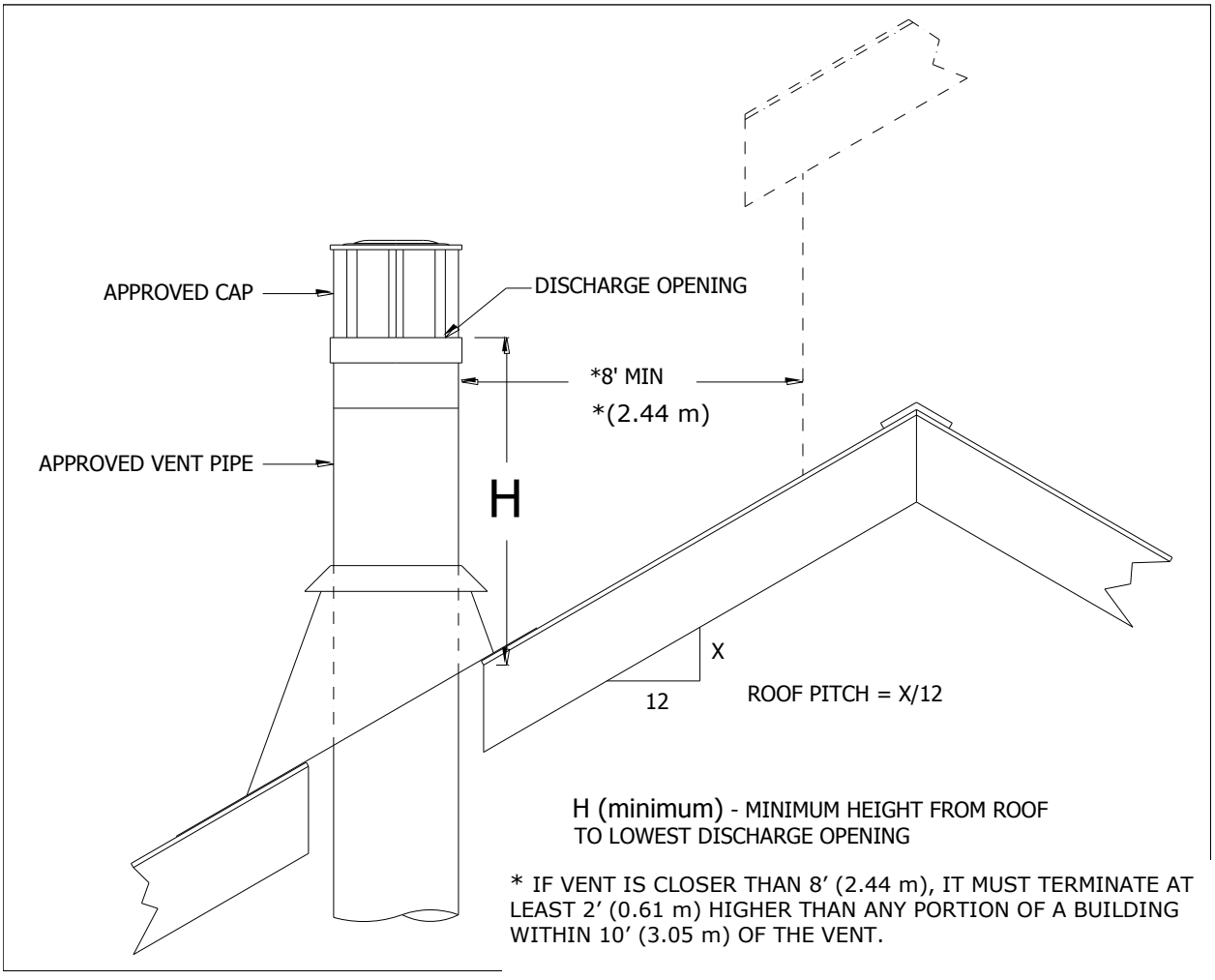
*Clearance must be in accordance with local installation codes & the requirements of the gas supplier.



VENT TERMINATION CLEARANCES

Roof Pitch	H (Min.) Ft.	H (Min.) m
Flat to 6/12	1.0	0.30
Over 6/12 to 7/12	1.25	0.38
Over 7/12 to 8/12	1.5	0.46
Over 8/12 to 9/12	2.0	0.61
Over 9/12 to 10/12	2.5	0.76
Over 10/12 to 11/12	3.25	0.99
Over 11/12 to 12/12	4.0	1.22
Over 12/12 to 14/12	5.0	1.52
Over 14/12 to 16/12	6.0	1.83
Over 16/12 to 18/12	7.0	2.13
Over 18/12 to 20/12	7.5	2.27
Over 20/12 to 21/12	8.0	2.44

CAUTION: This appliance must not be connected to or joined with any chimney flue serving any other appliance.



H (minimum) - MINIMUM HEIGHT FROM ROOF TO LOWEST DISCHARGE OPENING

* IF VENT IS CLOSER THAN 8' (2.44 m), IT MUST TERMINATE AT LEAST 2' (0.61 m) HIGHER THAN ANY PORTION OF A BUILDING WITHIN 10' (3.05 m) OF THE VENT.

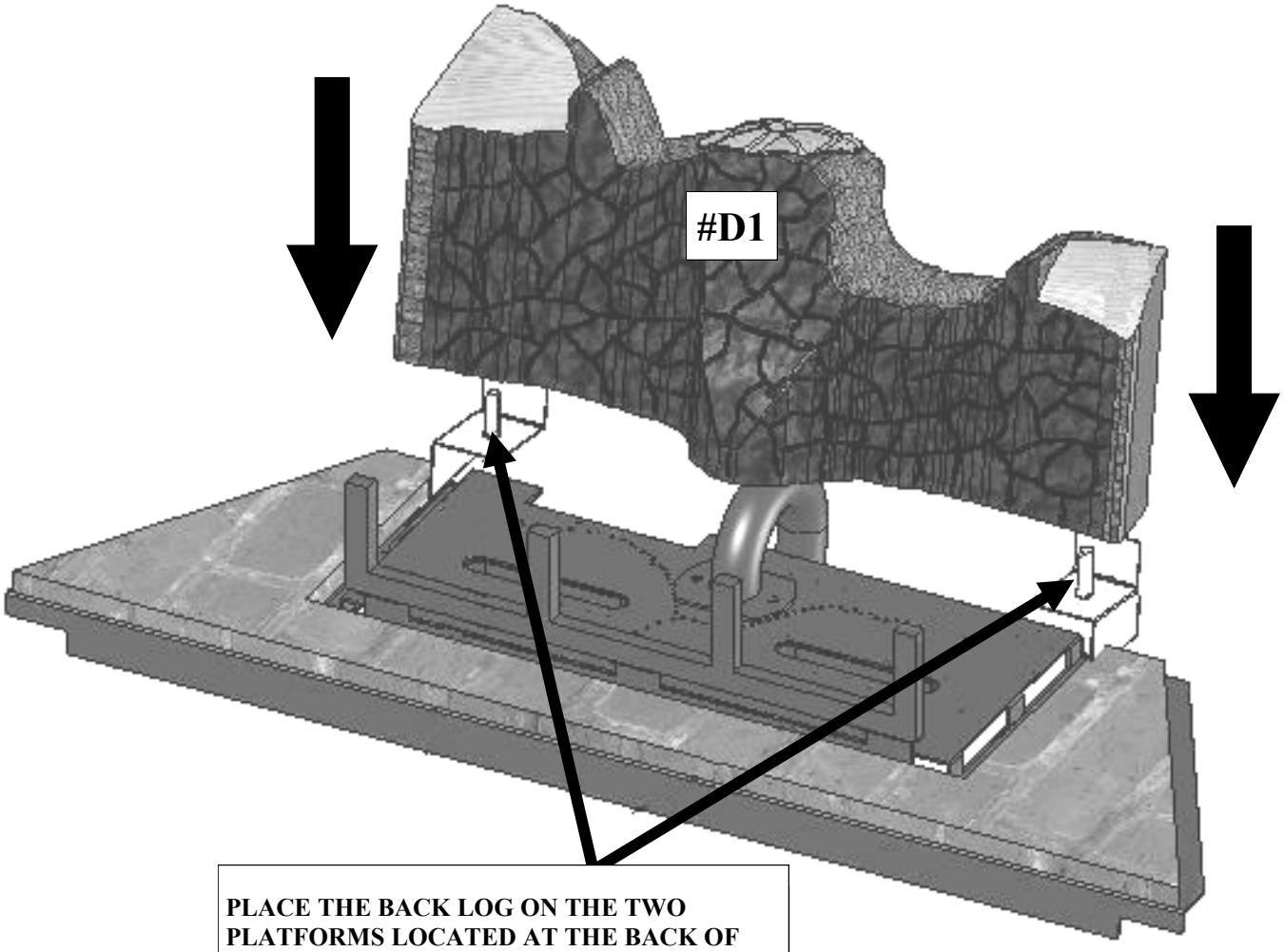
LOG SET INSTALLATION

ATTENTION: If converting to LP (propane) gas or installing the optional firebrick refractory, do so now before installing log set. Follow instructions included with conversion kit and / or refractory kit.

NOTE: Logs are installed in numerical order. Log numbers are located on the bottom of each log. Refer to following instructions and illustrations for proper placement.

CAUTION: Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.

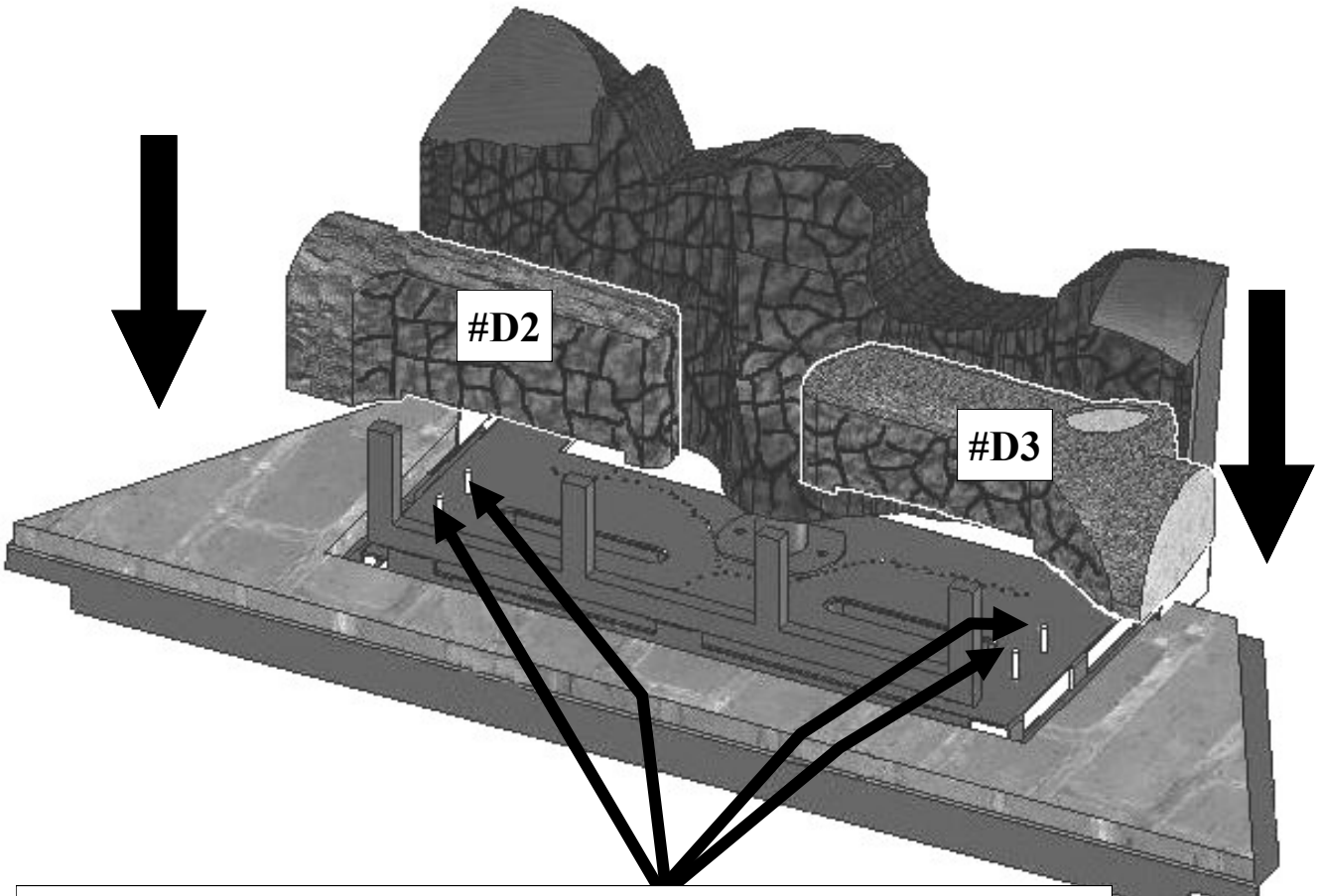
STEP 1: #D1 Log Placement



PLACE THE BACK LOG ON THE TWO PLATFORMS LOCATED AT THE BACK OF BURNER. ALIGN THE PINS ON PLATFORMS WITH THE HOLES IN THE BOTTOM OF LOG.

LOG SET INSTALLATION

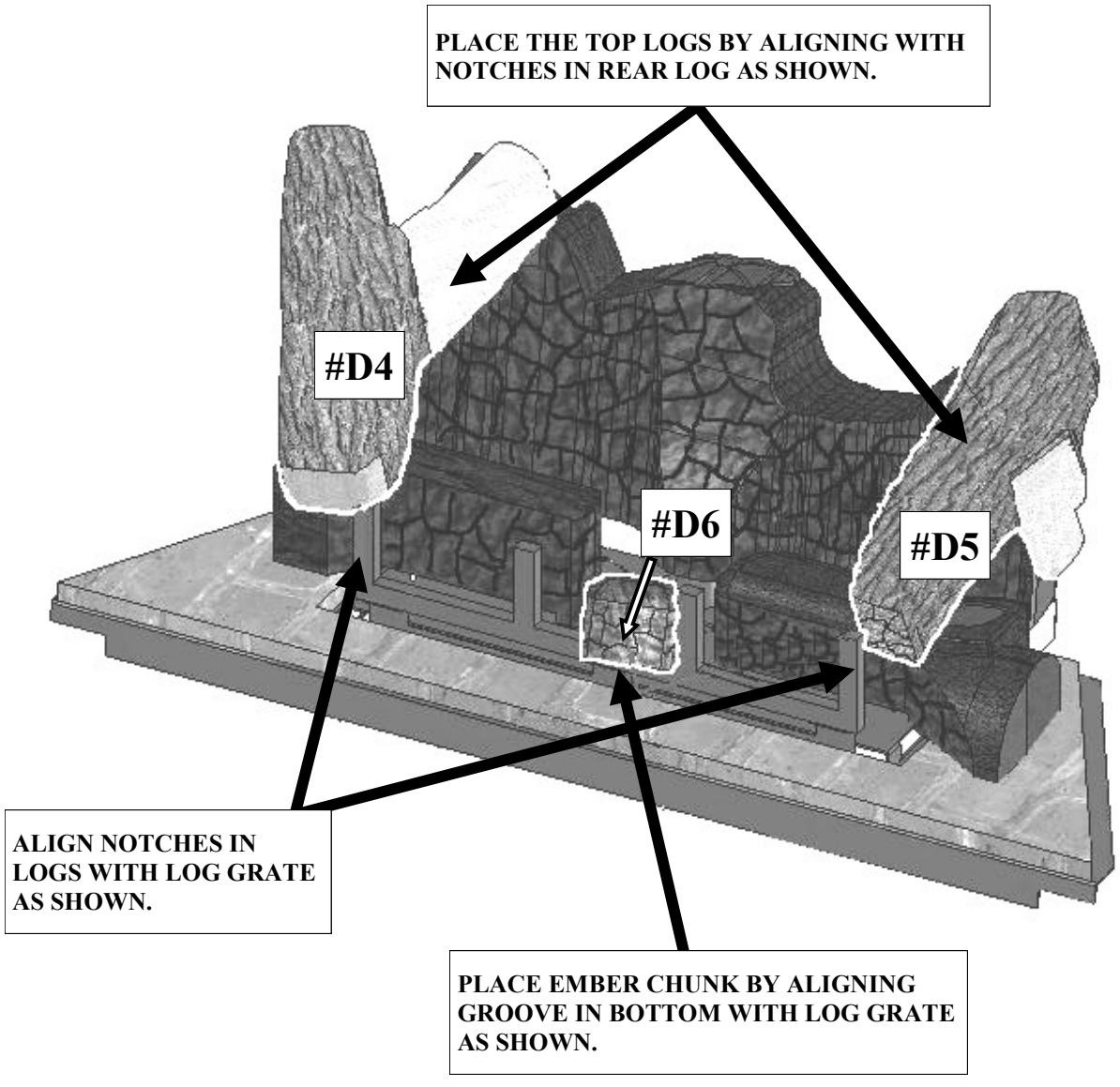
STEP 2: #D2 & D3 Log Placement



PLACE THE FRONT LOGS ON THE BURNER BY ALIGNING HOLES IN THE BOTTOM OF LOGS WITH THE PINS ON THE BURNER.

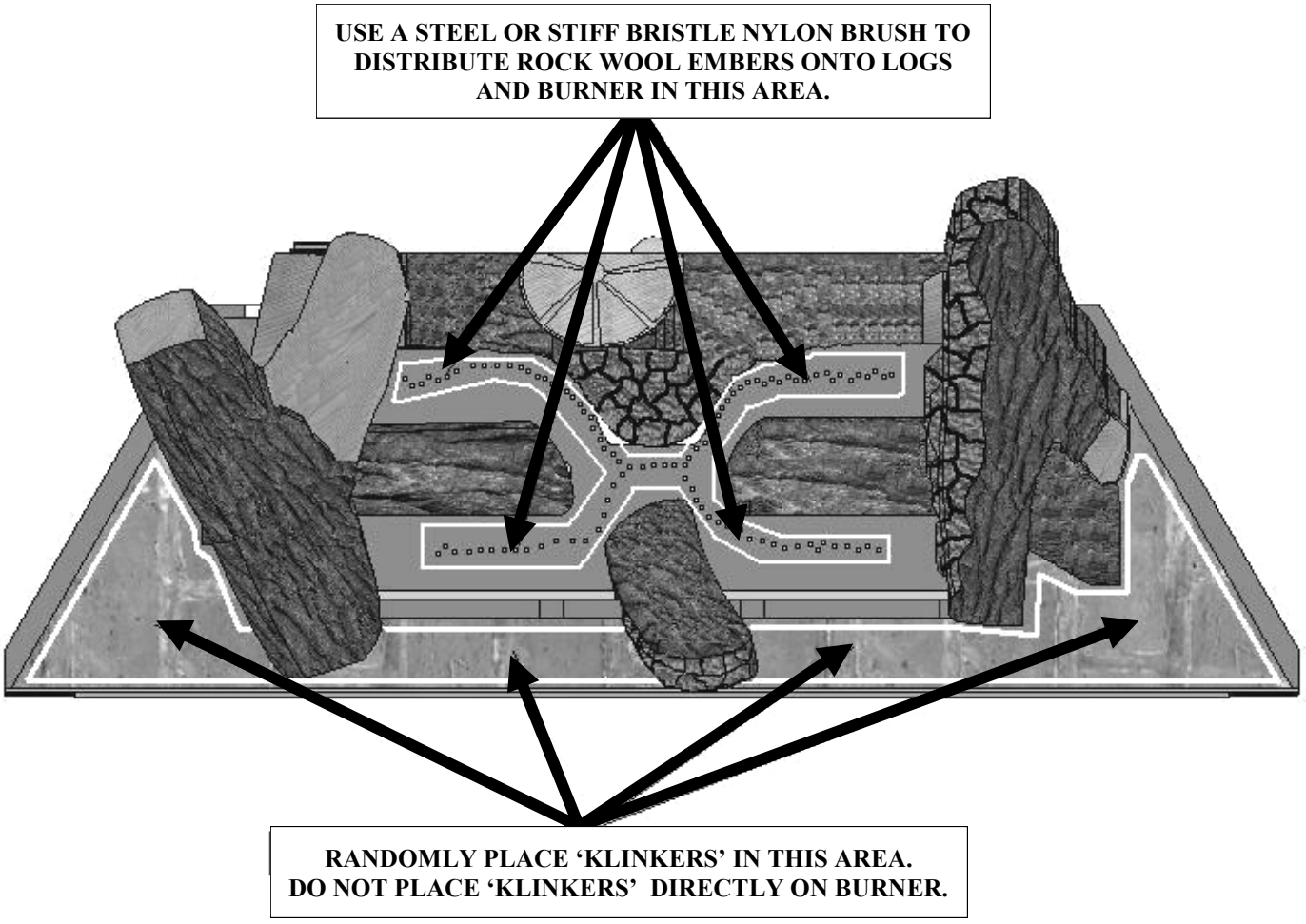
LOG SET INSTALLATION

STEP 3: #D4, #D5 & #D6 Log Placement


PLACE THE TOP LOGS BY ALIGNING WITH NOTCHES IN REAR LOG AS SHOWN.
#D4
#D6
#D5
ALIGN NOTCHES IN LOGS WITH LOG GRATE AS SHOWN.
PLACE EMBER CHUNK BY ALIGNING GROOVE IN BOTTOM WITH LOG GRATE AS SHOWN.

LOG SET INSTALLATION

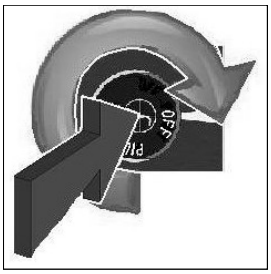
STEP 4: COMPLETE LOG SET INSTALLATION

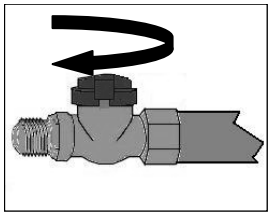

USE A STEEL OR STIFF BRISTLE NYLON BRUSH TO DISTRIBUTE ROCK WOOL EMBERS ONTO LOGS AND BURNER IN THIS AREA.
RANDOMLY PLACE 'KLINKERS' IN THIS AREA. DO NOT PLACE 'KLINKERS' DIRECTLY ON BURNER.

MILLIVOLT BOARD REMOVAL

CAUTION: If the burner and/or pilot have been burning, use the appropriate protection to avoid burns or damage to personal property before removing any components.

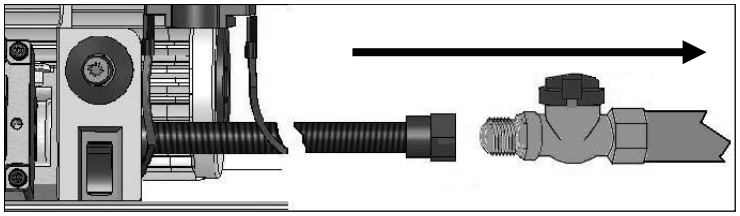
1. Turn gas control knob to the 'OFF' position.





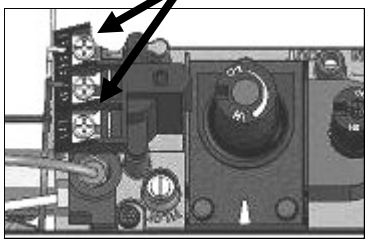
2. Shut off gas supply at the manual shut-off valve.

3. Disconnect gas line flex tube from the manual shut-off valve.

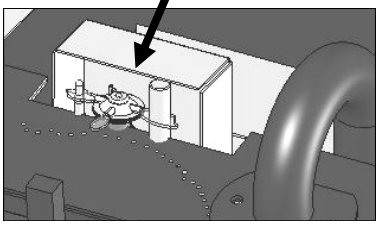


DISCONNECT ANY REMOTE / THERMOSTAT WIRES

4. Disconnect any wall switch, remote control or thermostat wires from top & bottom terminals on the gas valve.



REMOVE PILOT SHIELD



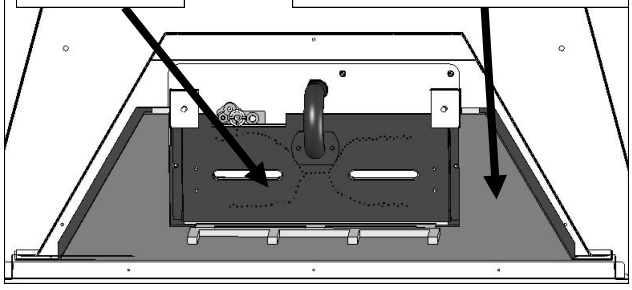
5. Remove upper hood, upper louver & glass assembly. Refer to page 42 if necessary.

6. Remove logs and ember refractory panels.

7. Remove pilot shield.

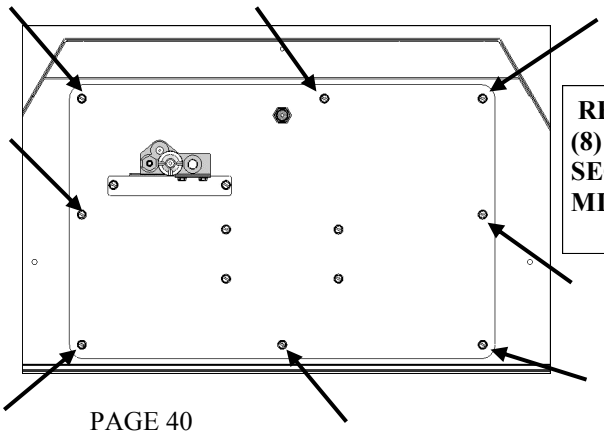
8. Remove the burner / burner heat shield assembly from firebox by lifting up off the orifice and out of firebox.

BURNER **BURNER HEAT SHIELD**



9. Remove and save the (8) screws securing the millivolt board to firebox bottom.

10. Lift millivolt board up and out of firebox being careful not to damage the sealing gasket lying underneath.

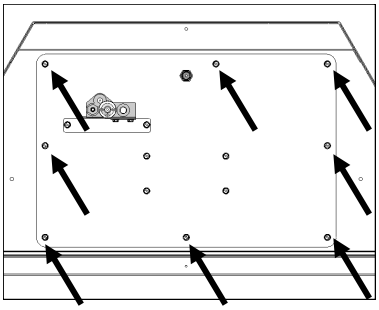


REMOVE (8) SCREWS SECURING MILLIVOLT BOARD.

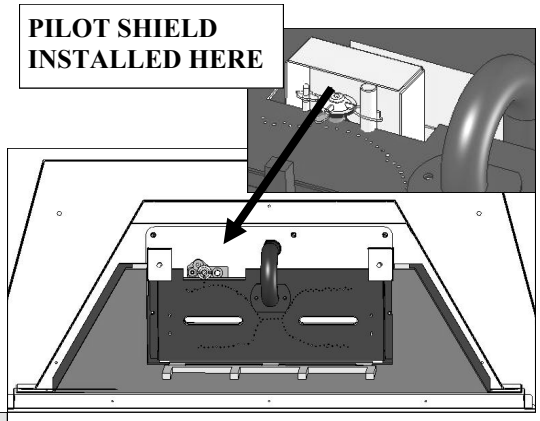
MILLIVOLT BOARD INSTALLATION

WARNING: DO NOT OPERATE THIS FIREPLACE WITHOUT THE SEALING GASKET (LOCATED UNDER THE MILLIVOLT BOARD) IN PLACE. IF THE GASKETING IS DAMAGED, IT MUST BE REPLACED.

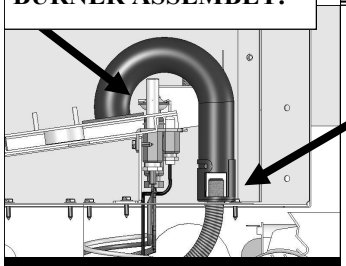
1. Place millivolt board in firebox, aligning the holes in the millivolt board with holes in the firebox bottom. MAKE SURE SEALING GASKET IS IN PLACE ON FIREBOX BOTTOM! Secure millivolt board to firebox bottom with the (8) screws previously removed.



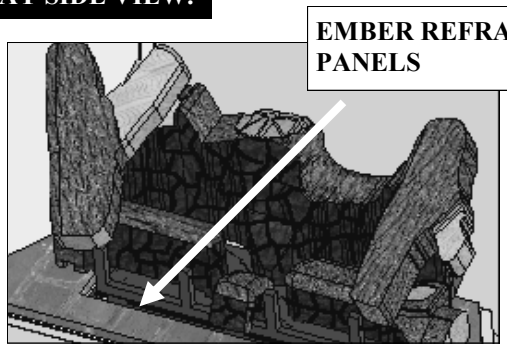
2. Install burner / burner heat shield assembly, making sure that the burner venturi is seated over the millivolt board orifice and the pilot assembly is above the burner.



3. Reinstall pilot shield.


PILOT ASSEMBLY SITTING ABOVE BURNER ASSEMBLY.
PROPER BURNER VENTURI POSITION OVER MILLIVOLT BOARD ORIFICE. Venturi opening setting shown in LP configuration.
CUT AWAY SIDE VIEW.

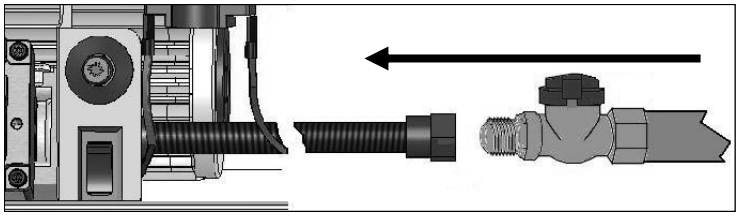
4. Reinstall ember refractory panels.



5. Reinstall log set. (Pages 36-39).

6. Reconnect gas line to manual shut-off valve.

7. Reconnect any wall switch, remote control or thermostat wires to the top & bottom terminals on the gas valve.

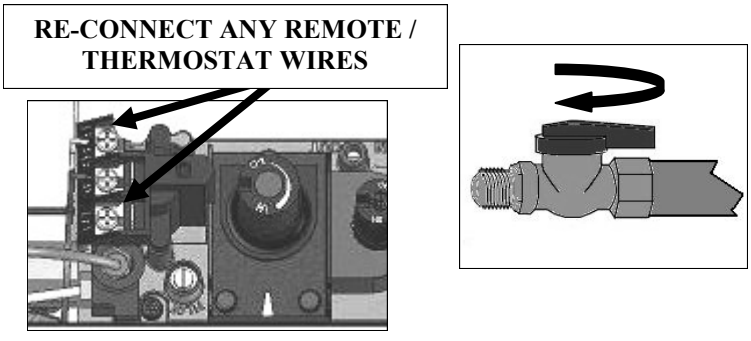


8. Reinstall glass frame assembly. Page 16.

9. Reinstall upper louver, upper hood and lower grill. Page 42.

10. Turn gas on.

11. Verify proper log placement, operation of fireplace, and any electrical components.



CAUTION: CHECK ALL CONNECTIONS FOR LEAKS, WHETHER FIELD OR FACTORY MADE.

GRILL SET

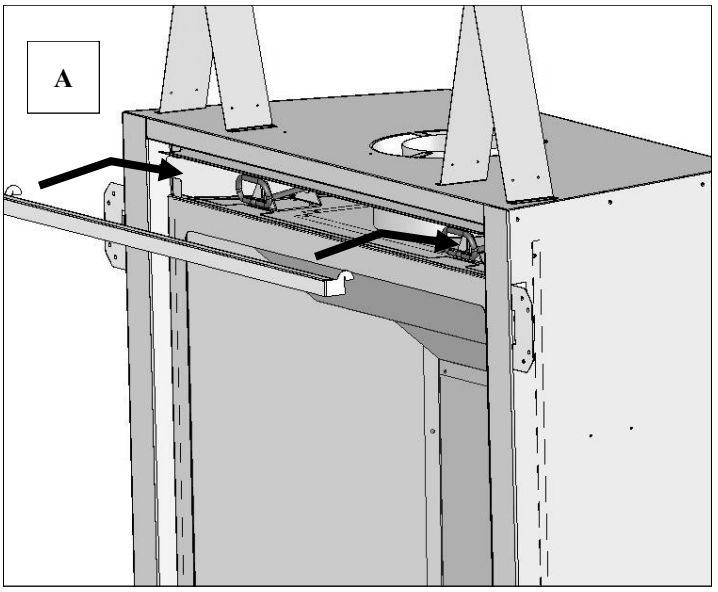
UPPER LOUVER, HOOD & LOWER GRILL INSTALLATION

A. Align hooks (A) in the upper louver to slots located in the fireplace face. Set down into position.

B. Insert upper hood flange into clips located at the top of the upper air passage.

NOTE: This is a fairly tight fit.

C. Partially thread the (2) screws (included in components packet) into the nuts (B) at each end of the lower grill. Secure to fireplace by threading the screws into the corresponding holes in the inside flange of the lower grill opening. The lower grill can now be opened and closed to access the gas valve and controls.

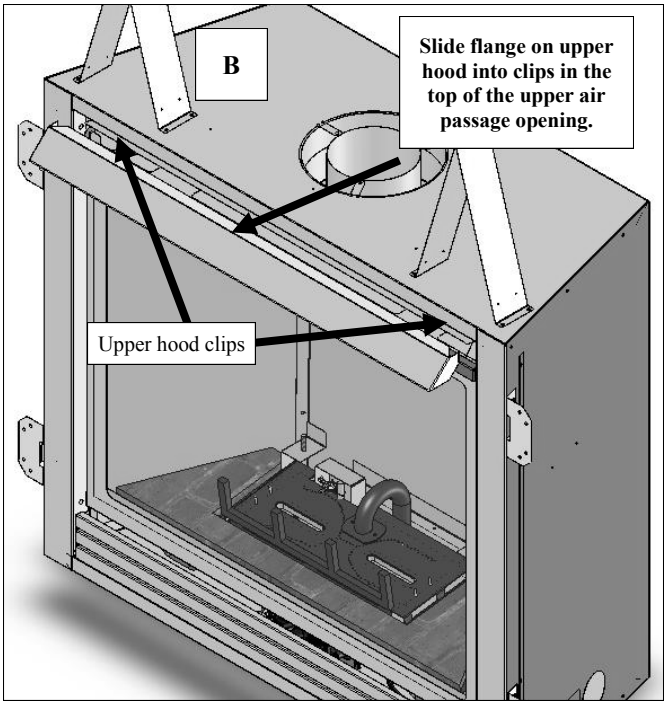


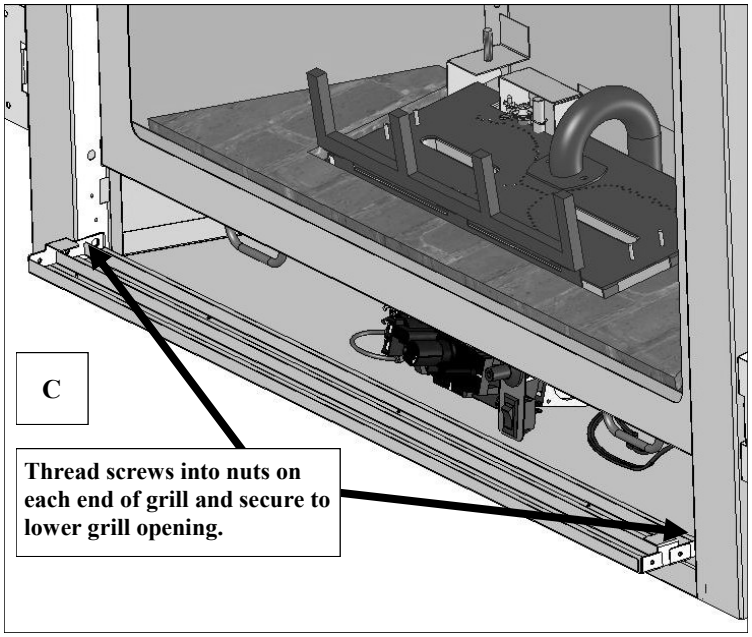
UPPER LOUVER, HOOD & LOWER GRILL REMOVAL

A. Use both hands to pull the hood out of upper air passage clips.

B. Lift upper louver up and out of slots.

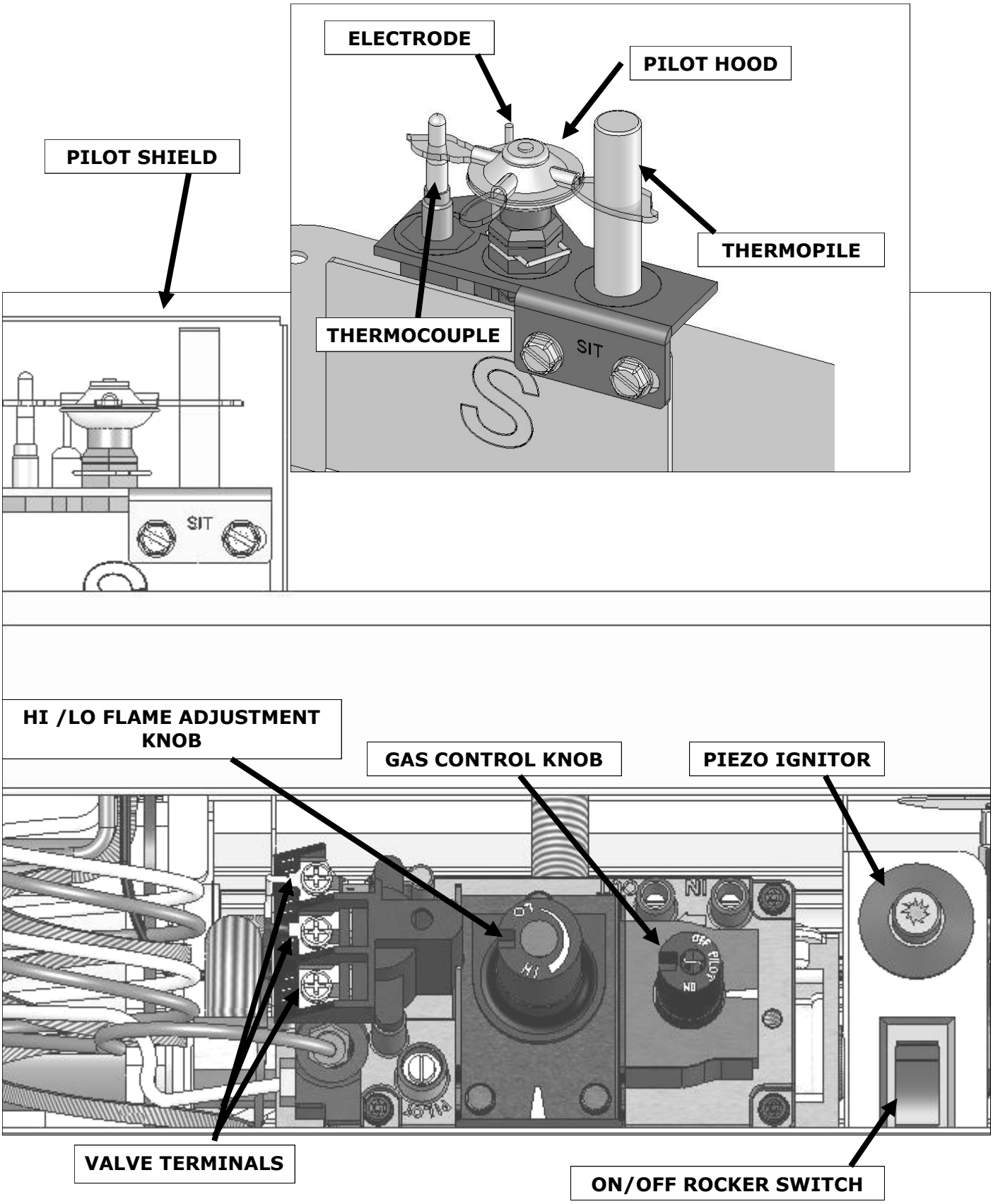
C. Remove screws securing the lower grill at each end to remove from fireplace.





NOTE:
STAND-OFF HEAT SHIELD NOT SHOWN FOR CLARITY PURPOSES ONLY.

VALVE & PILOT ASSEMBLY COMPONENTS



LIGHTING AND SHUTDOWN

FOR YOUR SAFETY - READ BEFORE LIGHTING

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

DUE TO HIGH SURFACE TEMPERATURES, KEEP CHILDREN, CLOTHING AND FURNITURE AWAY.

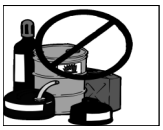
This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

1. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

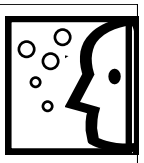
2. BEFORE LIGHTING, smell all around the appliance for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

3. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in, or turn by hand, do not try to repair it, call a qualified service technician. Forced or attempted repair may result in a fire or explosion, and loss of warranty.

4. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system which has been under water.



DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.



WHAT TO DO IF YOU SMELL GAS:

- Do not touch any electrical switches
- Do not try to light any appliance
- Do not use the phone in your building
- Immediately call your gas supplier from a neighbor's phone
- Follow the gas supplier's instructions
- If you cannot reach your gas supplier, call the fire department

WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE. CLOTHING OR OTHER FLAMMABLE MATERIAL MUST NOT BE PLACED ON OR NEAR THE APPLIANCE.

NOTE: A PAINT SMELL WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING. IT IS RECOMMENDED TO LEAVE THE FAN OFF DURING THIS PERIOD TO HELP SPEED THE PAINT CURING PROCESS.

NOTE: THIS FIREPLACE MAY PRODUCE NOISES OF VARYING DEGREE AS IT HEATS AND COOLS DUE TO METAL EXPANSION AND CONTRACTION. THIS IS NORMAL AND DOES NOT AFFECT THE PERFORMANCE OR LONGEVITY OF THE FIREPLACE.

LIGHTING AND SHUTDOWN (cont.)

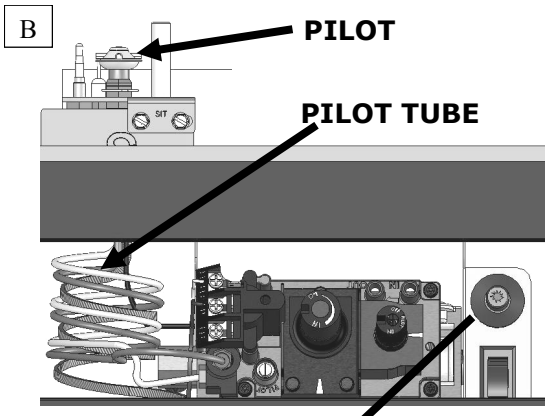
LIGHTING

1. Set thermostat to the lowest setting, if installed.
2. Turn off all electrical power to the appliance. (Fan).
3. Open lower grill to access the gas valve & controls.

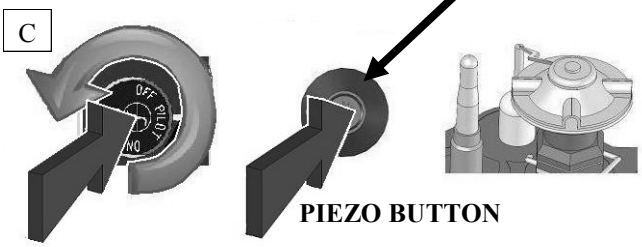
A. Push gas control knob in slightly and turn clockwise to "OFF". Wait five (5) minutes to allow any gas that may have accumulated inside the firebox to escape. If you then smell gas, **STOP!** Follow the safety information on the front cover and on page 44 of this installation manual. If you don't smell gas, go to the next step.

NOTE: Gas control knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

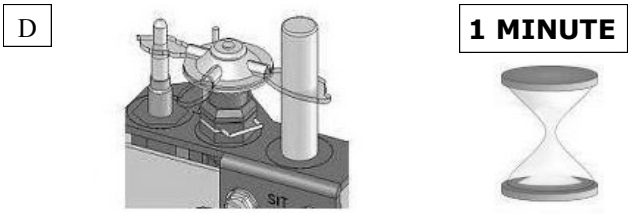
B. Locate pilot - follow metal tube from gas control. The pilot is located inside the combustion chamber.



C. Push gas control knob on the gas valve in slightly and turn counterclockwise to 'PILOT'. Push valve knob in and hold while repeatedly pressing the piezo igniter button until the pilot is lit while continuing to hold in the gas control knob.

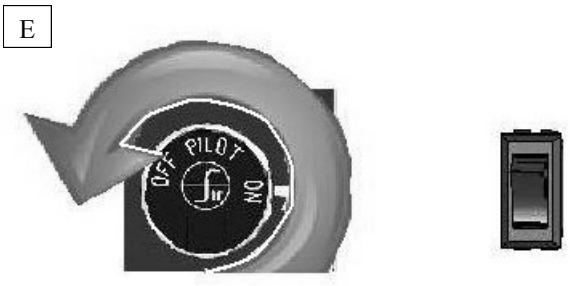


D. Hold gas control knob in for one (1) minute after pilot is lit. Release the gas control knob. If the pilot goes out, repeat steps C-D. If the pilot refuses to stay lit, call your service technician or the gas supplier. When the pilot is lit, proceed to step E.



E. Push gas control knob in slightly and turn counterclockwise to 'ON'. The burner can now be turned 'ON' by depressing the ON/OFF rocker switch located beside the valve, or wall switch, OR by setting the thermostat or remote control to the desired setting.

F. Turn on all electric power to the appliance (if applicable).



NOTE: When the fireplace is initially lit, condensation will appear on the glass; this is normal in all gas fireplaces and will disappear after several minutes.

LIGHTING AND SHUTDOWN (cont.)

TURN BURNER OFF

To turn the burner 'OFF', depress the ON/OFF rocker switch to 'OFF', flip 'off' wall switch or adjust setting on the thermostat or remote control.

NOTE: The pilot will stay lit.

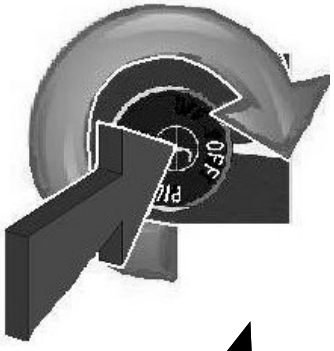
G

TURN PILOT OFF

G. Turn the pilot off by pushing in and turning the gas control knob to the 'OFF' position. **DO NOT FORCE**.

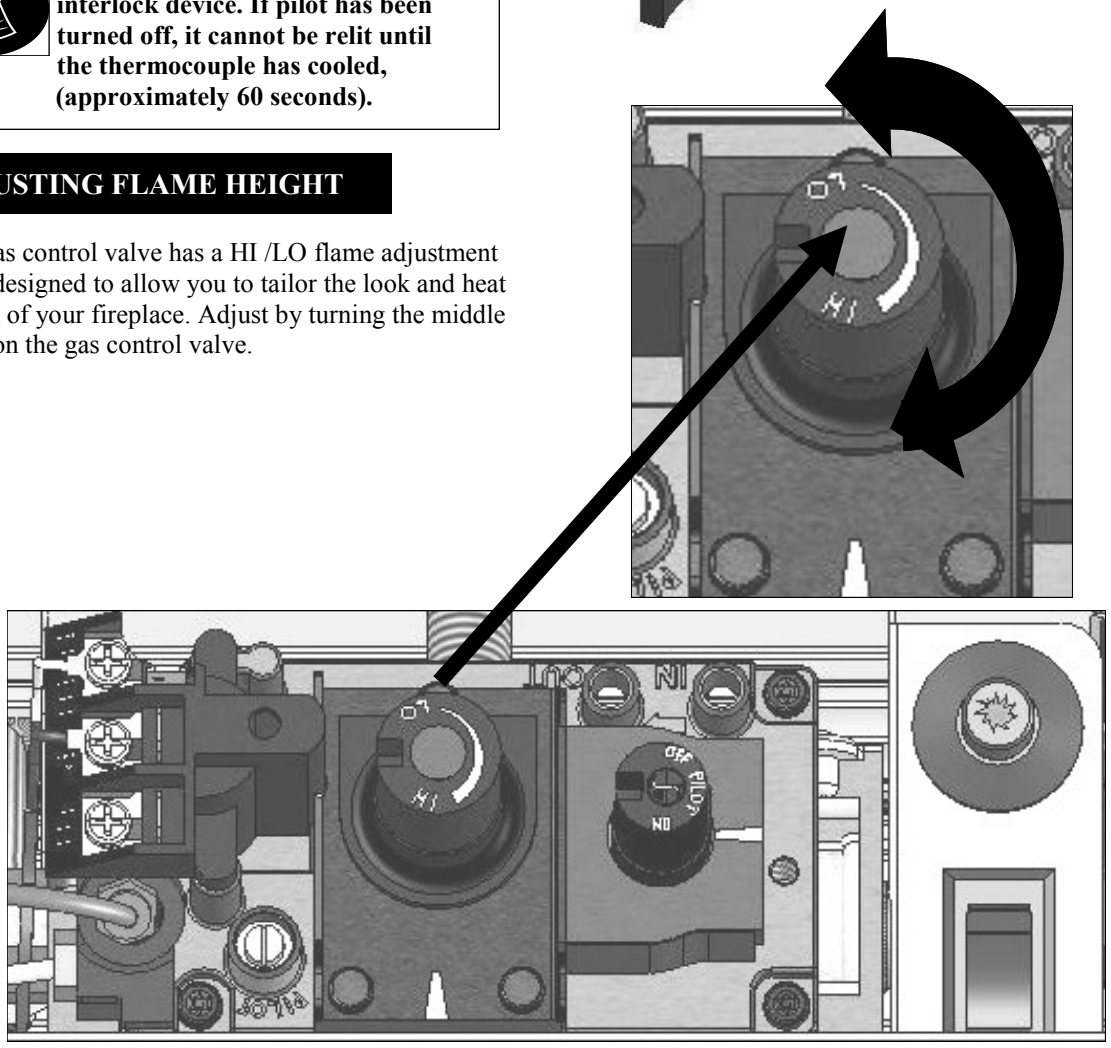
NOTE: This control valve has an interlock device. If pilot has been turned off, it cannot be relit until the thermocouple has cooled, (approximately 60 seconds).

H



ADJUSTING FLAME HEIGHT

The gas control valve has a HI /LO flame adjustment knob designed to allow you to tailor the look and heat output of your fireplace. Adjust by turning the middle knob on the gas control valve.



PRESSURE TESTING

IMPORTANT NOTICE: Pressure check taps for the manifold (outgoing) and inlet (incoming) pressure have been incorporated into the valve. The pressure tap marked 'OUT' measures outgoing pressure and the pressure tap marked 'IN' measures incoming pressure. Follow instructions below for proper testing procedures.

NOTE: The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi.

NOTE: The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas line at test pressures equal to or less than ½ psi (3.5 kPa).

INLET PRESSURE TEST:

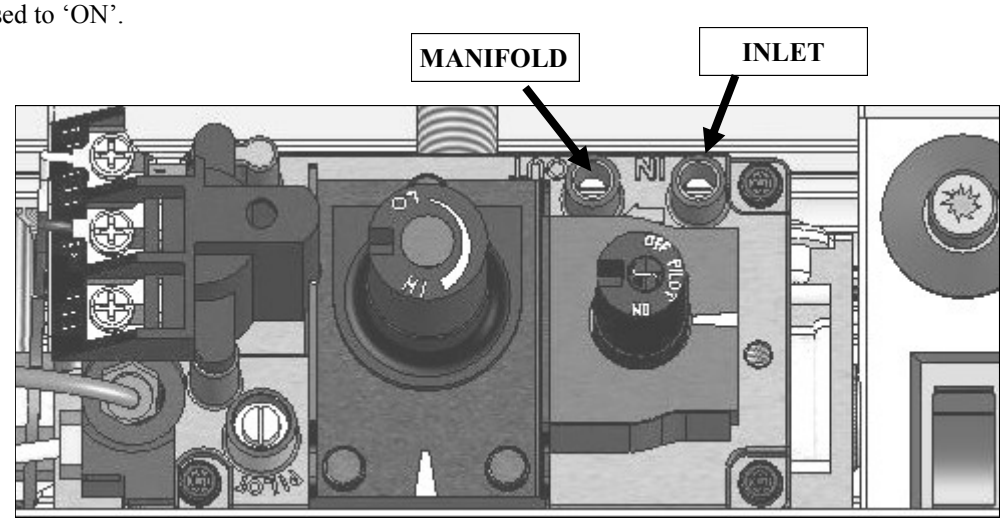
1. Loosen inlet ('IN') pressure tap screw (counter-clockwise).
2. Attach manometer using a 5/16" I.D. hose.
3. Light pilot.
4. Turn gas control knob to 'ON' (burner should not light). Note manometer reading.
5. Press rocker switch to 'ON'. Check pressure to ensure that it stays near the maximum inlet pressure.
6. Press rocker switch to 'OFF'.
7. Turn gas control knob to 'OFF'.
8. Disconnect hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
9. Relight pilot and turn gas control knob to 'ON'. Reattach manometer to inlet pressure tap to verify that it is completely sealed. Manometer should read no pressure.

NOTE: If inlet pressure reading is too high or too low, contact the gas company. Only a qualified gas service technician should adjust the incoming gas pressure.

MANIFOLD PRESSURE TEST:

1. Light pilot.
2. Loosen manifold ('OUT') pressure tap screw (counter-clockwise).
3. Attach manometer to pressure tap using a 5/16" I.D. hose.
4. Turn gas control knob to 'ON'.
5. Press rocker switch to 'ON' and note manometer reading.
6. Press rocker switch to 'OFF'.
7. Disconnect manometer hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
8. Attach manometer to manifold pressure tap to verify that it is completely sealed. Manometer should read no pressure when the rocker switch is pressed to 'ON'.

CAUTION:
A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION



FINALIZING THE INSTALLATION

FLAME APPEARANCE:

Flame appearance is affected by several factors including altitude, venting configuration and fuel quality. Although the venturi setting has been factory set, adjustments may be necessary for optimal performance and visual aesthetics.

When fireplace is first lit, the flames will be blue. The flames will gradually turn yellowish-orange during the first 15 minutes of operation. If the flames remain blue or the flames become dark orange with evidence of sooting (black tips), the burner tube venturi may need to be adjusted.

WARNING: BURNER TUBE ADJUSTABLE VENTURI POSITIONING SHOULD ONLY BE PERFORMED BY A QUALIFIED PROFESSIONAL SERVICE TECHNICIAN.

FACTORY SET BURNER TUBE VENTURI SETTINGS (ADJUST AS NECESSARY FOR YOUR INSTALLATION)	
NATURAL GAS	LP (PROPANE) GAS
1/16" (2 mm) OPEN	1/2" (13 mm) OPEN

WARNING: TO AVOID PROPERTY DAMAGE OR PERSONAL INJURY, ALLOW FIREPLACE AMPLE TIME TO COOL BEFORE MAKING ANY ADJUSTMENTS.

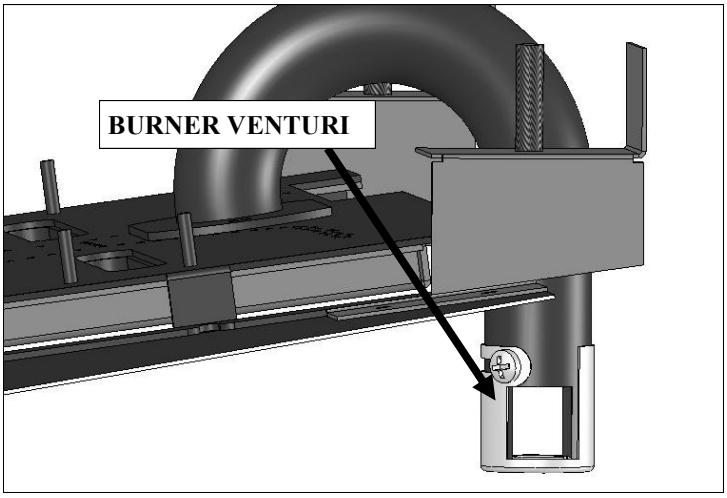
BURNER TUBE VENTURI ADJUSTMENT GUIDELINES		
VENTURI POSITION	FLAME COLOR	VENTURI ADJUSTMENT
Closed too far	Dark orange flame with black tips	Open venturi setting slightly
Open too far	Blue flames	Close venturi setting slightly

NOTE: IF SOOT IS PRESENT, CHECK LOG POSITIONING BEFORE ADJUSTING BURNER VENTURI. LOGS MUST NOT BLOCK BURNER PORTS.

IMPORTANT: SLIGHT ADJUSTMENTS TO THE BURNER VENTURI OPENING CREATE DRAMATIC RESULTS. ADJUST AT SLIGHT INCREMENTS UNTIL DESIRED LOOK IS ACHIEVED. ALWAYS BURN FIREPLACE FOR AT LEAST 15 MINUTES AND ALLOW TIME TO COOL BEFORE MAKING ANY FURTHER ADJUSTMENTS.

TO ADJUST VENTURI:

1. Remove upper louver and hood. Refer to page 42.
2. Remove glass frame assembly. Refer to page 16.
3. Remove log set.
4. Remove pilot shield.
5. Remove burner / burner heat shield assembly.
6. Loosen screw on burner venturi and adjust as necessary. Tighten screw.
7. Reinstall all components previously removed.
8. Light fireplace and wait 15 minutes before determining if any further adjustments are needed.



FINALIZING THE INSTALLATION

RESTRICTOR USAGE:

Turn the fireplace on and allow to burn for 15 minutes. If flames indicate there is excessive draft (flickering, short flames) or insufficient draft (lifting or ghosting flames) a restrictor may be necessary, or the previously installed restrictor (recommended on all vertical terminations over 6' (1.82 m)) may need to be modified or removed.

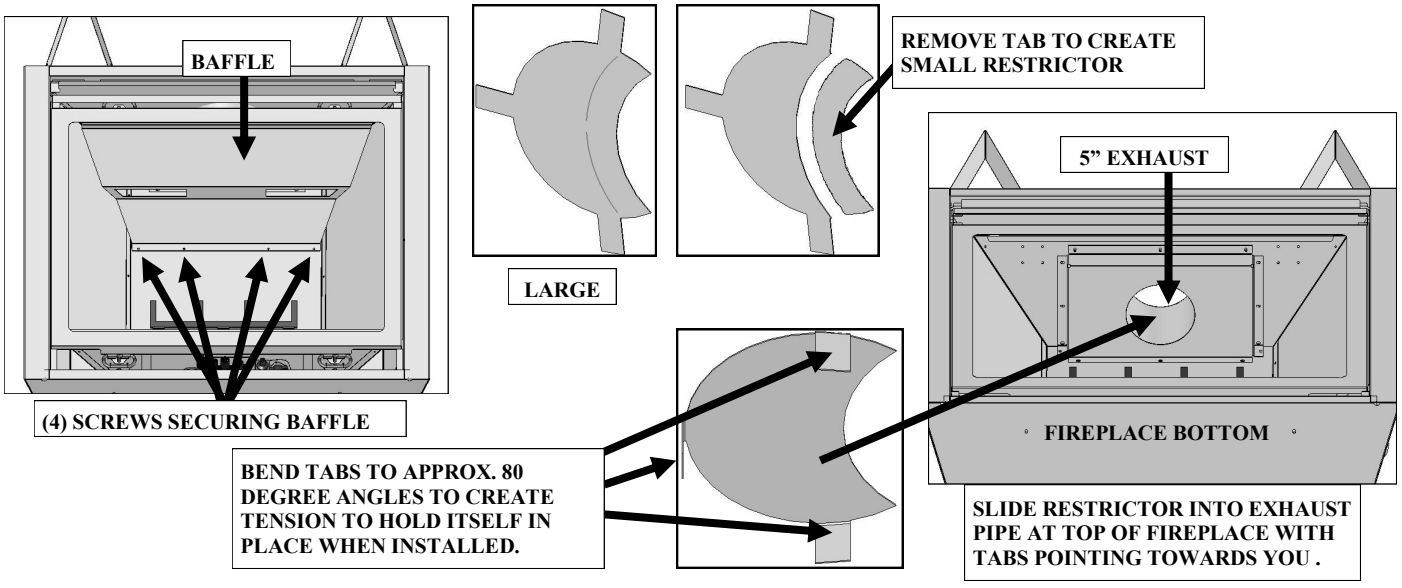
WARNING: TO AVOID PROPERTY DAMAGE OR PERSONAL INJURY, ALLOW FIREPLACE AMPLE TIME TO COOL BEFORE MAKING ANY ADJUSTMENTS AND / OR INSTALLATIONS.

RESTRICTOR TROUBLESHOOTING		
FLAME APPEARANCE	**DRAFT PROBLEM**	**RESTRICTOR SOLUTION**
Short, flickering	Excessive draft - not enough restriction	Add restrictor
Lifting or ghosting*	Insufficient draft - too much restriction	Remove inner ring on restrictor or remove restrictor
* Improper venting installation may cause flames to lift or "ghost" - a dangerous situation. Inspect flames after installation to ensure proper performance. If it is determined that the venting is correct and the restrictor has been removed, yet the flames are still lifting or ghosting, shut off gas supply to fireplace and call a qualified service technician.		

RESTRICTOR INSTALLATION / MODIFICATION (after termination completion):

If it is determined that a restrictor is needed or restrictor modification is required after the termination is installed, access can be reached through the fireplace baffle. Please remove logs and optional refractory (if installed) to avoid damaging these components.

1. Remove the (4) screws securing baffle. Remove baffle to expose venting.
2. Depending on your specific needs, determined by the chart above along with other factors, make necessary modifications.
3. If installation of a restrictor (included in fireplace components packet) is necessary, bend tabs on restrictor to approx. 80 degree angles to create tension when inserted into the exhaust pipe on fireplace. Insert restrictor into 5" exhaust pipe with tabs pointing towards you.
4. If modification is necessary, remove restrictor by pulling it down and out of 5" exhaust pipe.
5. Reinstall baffle, securing with the (4) nuts previously removed.
6. Reinstall log set and optional refractory kit (if installed).
7. Attach glass frame assembly and light fireplace. Wait 15 minutes before determining if any further modifications are necessary.

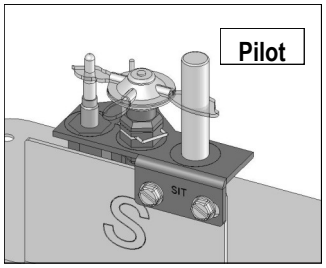

BAFFLE
(4) SCREWS SECURING BAFFLE
LARGE
REMOVE TAB TO CREATE SMALL RESTRICTOR
5" EXHAUST
FIREPLACE BOTTOM
BEND TABS TO APPROX. 80 DEGREE ANGLES TO CREATE TENSION TO HOLD ITSELF IN PLACE WHEN INSTALLED.
SLIDE RESTRICTOR INTO EXHAUST PIPE AT TOP OF FIREPLACE WITH TABS POINTING TOWARDS YOU .

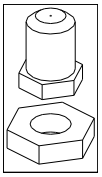
MAINTENANCE

The appliance is required to be inspected at least once a year by a professional service person.

The compartment below the firebox (behind the lower grill) must be cleaned at least once a year, more frequent cleaning may be required due to excessive lint from carpeting, bedding materials, or other fibrous materials. It is imperative that the burner be cleaned once a year.

NOTE: INSTALLATION AND REPAIR SHOULD BE DONE ONLY BY QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND ANNUALLY BY A QUALIFIED SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIALS, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATION AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.





Burner Orifice

FAN

The fan should be disconnected from electrical current, and cleaned (vacuumed) every six months. The bearings are sealed and require no oiling.

VENT SYSTEM

Annual examination of the venting system by a qualified agency is required.

IF THE VENT-AIR INTAKE SYSTEM IS DISASSEMBLED FOR ANY REASON, RE-INSTALL PER THE INSTRUCTIONS PROVIDED WITH THE INITIAL INSTALLATION.

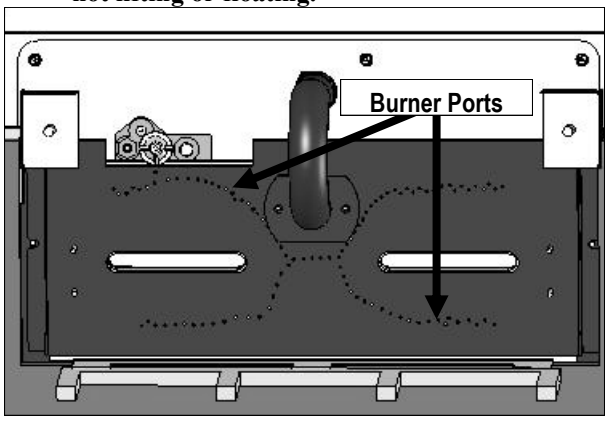
The flow of combustion and ventilation air must not be obstructed.

IMPORTANT: ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

MILLIVOLT BOARD SYSTEM

- **Annual cleaning of the burner system is required.**
- **The burner/heat shield assembly may be removed for easier access. Refer to pages 40-41 in this installation manual for complete instruction on removing & reinstalling the burner / heat shield assembly.**
- **Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause delayed ignition.**
- **Reinstall the burner/heat shield assembly following instructions on page 41of this installation manual.**
- **Visually check pilot light and burner when in operation. The flames should be steady, not lifting or floating.**



GLASS CLEANING & REPLACEMENT

- **Clean glass only when cool and only with non-abrasive cleansers.**
- **Do not operate this fireplace with the glass/frame assembly removed, cracked or broken.**
- **The glass assembly, part #DSL-057T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc.**
- **Replacement of the glass & frame assembly, part #DSL-057T, must only be performed by a licensed or qualified service person. DO NOT SUBSTITUTE MATERIALS.**
- **Do not strike or slam glass door assembly.**

CAUTION: KEEP THE APPLIANCE AREA CLEAR OF COMBUSTIBLE MATERIALS, SUCH AS GASOLINE AND OTHER FLAMMABLE VAPORS AND LIQUIDS.

TROUBLESHOOTING

CAUTION: THE FOLLOWING MUST BE PERFORMED BY A QUALIFIED TECHNICIAN

NO SPARK FROM ELECTRODE TO PILOT WHEN PIEZO BUTTON IS TRIGGERED.

A. Check wiring at back of piezo for proper connection.

B. Check wiring at electrode for proper connection.

C. Check position of electrode (1/8" (3 mm) between electrode and pilot). Readjust if necessary.

D. Look for arc below electrode and along electrode wire. Direct metal contact may cause an arc below electrode.

SPARK IGNITOR WILL NOT LIGHT AFTER REPEATED TRIGGERING OF PIEZO BUTTON.

A. No gas or low gas pressure.

- ♦ Check remote shut off valves from fireplace. Usually there is a valve near the main. There may be more than (1) valve between the fireplace and the main.
- ♦ Low gas pressure can be caused by several situations such as a bent line, too narrow diameter pipe, or low line pressure. Consult with plumber or gas supplier.

B. No LP in tank.

- ♦ Check LP (propane) tank. Refill if necessary.

PILOT WILL NOT STAY LIT AFTER CAREFULLY FOLLOWING LIGHTING INSTRUCTIONS.

A. Check that pilot flame impinges on thermocouple. Clean and / or adjust pilot for maximum flame impingement.

B. Ensure the thermocouple connection at gas valve is fully inserted and tight (hand tight plus 1/4 turn).

C. Thermocouple reading below 15 millivolts.

- ♦Disconnect thermocouple from valve, place one millivolt meter lead wire on the end of the thermocouple and the other millivolt meter lead wire on the thermocouple's copper wire. Start pilot while holding valve knob in. If the millivolt reading is less than 15 millivolts, replace the thermocouple.

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F. Thermopile not generating sufficient millivolts.

- ♦ Pilot flame must be enveloping thermopile. Adjust pilot flame if necessary.
- ♦ Check thermopile wire connections at valve. Tighten if necessary.
- ♦ Check thermopile with millivolt meter. Turn REMOTE / ON/OFF switch to OFF. Turn valve knob to PILOT position (pilot should remain lit). Take reading at THTP & TP terminals on gas valve. Reading should be 350 millivolts minimum. Replace thermopile if reading falls below specified minimum.

TROUBLESHOOTING (cont.)

BURNER WILL NOT LIGHT

A. Gas control knob not turned to 'ON'.

B. 'ON'/'OFF' switch not turned on.

C. Remote, wall switch or remote control not turned 'ON'.

D. Plugged main burner orifice.

E. Remote, wall switch or remote control switch wires defective.

- ♦ Check wires for proper connections. Place jumper wires across terminal at switch. If burner lights, replace defective switch.
- ♦ If switch checks ok, place jumper wires across switch wires on gas valve. If burner lights, wires are faulty or connections are bad.

FREQUENT PILOT OUTAGES

A. Pilot shield not installed.

B. Pilot flame too high or too low, causing pilot safety to drop out.

- ♦ Clean and adjust flame for maximum flame impingement on thermocouple.

BURNER WON'T STAY LIT

A. Thermocouple wires loose at valve terminals.

- ♦ Tighten if necessary.

B. Thermocouple wires ground out due to pinched wires.

- ♦ Free pinched wires if necessary.

C. Thermocouple not producing enough millivolts to sustain burner operation.

- ♦ Generator requires 200 millivolts or more to keep burner operating. Check reading at valve terminals with burner lit. Replace generator if necessary.

D. Refractory panel placement (if installed).

- ♦ Refractory panels must be tight against firebox walls. It may be necessary to secure panels with high-temp sealant, especially around the intake duct.

TROUBLESHOOTING (cont.)

PILOT AND BURNER EXTINGUISH WHILE IN OPERATION

A. No LP (propane) in tank.

- ♦ Check tank and refill if necessary.

B. Glass frame assembly not installed correctly.

- ♦ Refer to page 16 in this manual for proper glass frame assembly installment instructions.

C. Defective thermopile or thermocouple.

- ♦ Check thermopile and thermocouple for proper millivolts.

D. Improper pitch on horizontal vent.

- ♦ 1/4" (6 mm) rise per foot is required on horizontal venting.

E. Inner vent pipe leaking exhaust gases back into firebox.

- ♦ Check for leaks. Repair if necessary.

F. Improper vent cap installation.

- ♦ Check for proper vent cap installation. Maximum downward slope of horizontal vent cap is 1/4" (6 mm). Adjust if necessary.
- ♦ Check vent cap for blockage. Remove debris if necessary.

GLASS SOOTING

A. Improper log placement.

- ♦ Refer to log placement instructions in this installation manual.

B. Improper venturi setting.

- ♦ Venturi may need to be opened slightly to allow more air into the gas mix.

C. Improper pitch on horizontal venting.

- ♦ 1/4" (6 mm) rise per foot is required on horizontal venting.

FLAME BURNS BLUE AND LIFTS OFF BURNER

A. Improper Venturi setting.

- ♦ Venturi may need to be closed slightly.

B. Improper vent cap installation.

- ♦ Check for proper vent cap installation.

C. Blockage or vent system leaks.

APPROVED VENTING CAPS

Manufacturer Part #	Cap Description
KOZY HEAT	
845	5x8 Flex Vent kit w/ cap
SIMPSON	
1283	5x8 Low Wind V. Cap
58DVA	5x8 High Wind V. Cap
58DVAHRCS	5x8 H. Cap
58DVAHSC	5x8 H. Cap
58DVAHC	5x8 H. Cap
	5x8 Low Wind H. Cap w/ 4 louvre slots
46DVAVCH	4x6 High Wind V. Cap
46DVAHC	4x6 Reg. H. Cap
46DVAHRCS	4x6 H. Cap Round
46DVAHSC	4x6 H. Cap Sconce
	4x6 H. Cap Sconce
46DVASNK36	4x6 Snorkel 48”
	5x8 High Wind H. Cap Squared Sconce
ICC	
	5x8 V. Cap
	5x8 H. Cap
	5x8 Snorkel - 26.5”
	5x8 Snorkel - 28”
	5x8 Snorkel - 50”
	5x8 Snorkel - 50”
SECURITY	
	5x8 H. Cap
SELKIRK	
	5x8 H. Cap
	5x8 - 27” Snorkel

Manufacturer Part #	Cap Description
AMERICAN METAL	
	5x8 V. Cap
	5x8 H. Cap
	5x8 - 27” Snorkel
	5x8 - 46” Snorkel

METAL FAB	
	5x8 V. Cap
	5x8 H. Cap
	28” Snorkel
	50” Snorkel

REPLACEMENT PARTS LIST

Replacement parts are available through your local dealer. Contact them for availability and pricing.

MILLIVOLT BOARD AND PARTS			
DSL-770	Dassel Millivolt Board - Nat Gas	700-098	Pilot Hood
DSL-771	Dassel Millivolt Board - LP Gas	700-203	Manual Shut-off valve
700-023	On/Off Rocker Switch	700-213	18" Flexible Gas Line- Black
700-086N	S.I.T. Valve - Natural Gas	700-223	6" Flexible Gas Line - Valve to Burner connection
700-087	S.I.T. Valve - LP Gas	700-242	Natural Gas orifice #42
700-088	Pilot / Generator / Thermocouple - Nat Gas	700-253	LP Gas orifice #53
700-089	Pilot / Generator / Thermocouple - LP Gas	OCK-S42A	Natural Gas Conversion Kit
700-090	Piezo Igniter w/ wire	OCK-S53A	LP Gas Conversion Kit
700-091	Flexible Pilot Tubing (Valve to Pilot)	DSL-135	Burner / Log Grate Assembly
700-092	Millivolt Generator	DSL-043	Pilot Shield
700-093	Thermocouple		
700-094	Pilot Orifice - Natural Gas		
700-095	Pilot Orifice - LP Gas		

GLASS & GLASS GASKET		GRILL REPLACEMENT	
DSL-005	Replacement Valance	PRC-200	Upper Hood
900-006	1-1/8" Glass gasket w/ adhesive	PRC-201	Lower Grill
DSL-057T	Valance with 23-3/4" x 30-1/16" glass	PRC-200L	Upper Hood Louver

LOG SET		FAN ASSEMBLIES - REPLACEMENT PARTS	
DSL - 500	Log Set	TMT - 028	Fan Assembly
DSL - 1	#1 Log		
DSL - 2	#2 Log		
DSL - 3	#3 Log	REFRACTORY PANELS	
DSL - 4	#4 Log	DSL - 900E	Ember Refractory (2 pc.)
DSL - 6	#6 Log		
900 - KLK	Klinkers		
900 - REMB	Rock wool Embers		

**Consult your dealer for information on optional accessories available for this fireplace.*

This appliance tested & certified by:
OMNI - Test Laboratories, Inc.
5465 SW Western Avenue
Beaverton, Oregon 97075

Model #DSL-36 Dassel
November 2007

Manufactured by:

Hussong Mfg. Co., Inc.
204 Industrial Park Drive
Lakefield, Minnesota 56150
507-662-6641

www.kozyheat.com

KOZY HEAT
LIMITED 10 YEAR WARRANTY

Effective July 01, 2003

This Limited 10 Year Warranty will not become effective until the warranty registration form has been completed and mailed to Hussong Manufacturing Co., Inc., P.O. Box 577, Lakefield, MN 56150. This registration form must be received within 30 days of installation. Failure to do so may result in delayed warranty coverage and submission of proof of purchase will be required.

Hussong Manufacturing Co., Inc. warranties to the original purchaser of this Kozy Heat Fireplace, that it is free of defects in materials and workmanship at the time of manufacture.

Subject to the following conditions & requirements, Hussong Manufacturing Co., Inc. extends the following limited warranty under normal use and service, with respect to the Kozy Heat line of gas burning fireplaces.

YEAR 1: Subject to the conditions & requirements listed below, within the first year from date of purchase, Hussong Manufacturing Co., Inc. shall, at its discretion, replace or repair any such defect in material or workmanship, at Hussong Manufacturing Co., Inc.'s expense, including reasonable labor costs to repair or replace the defective component, if a factory pre-authorization is given for the repair.

YEARS 2 - 10: Subject to the conditions & requirements listed below, beginning with the first day of the second year and continuing through the tenth year, Hussong Manufacturing Co., Inc., will at its discretion, provide repair or replacement parts at current list prices for any defect in material or workmanship of components, including optional components and accessories (if available). Hussong Manufacturing Co., Inc. shall not be responsible for any installation, labor, transportation or other indirect costs.

LIMITATION OF LIABILITY

To make a claim under this warranty, the purchaser must first contact the dealer/installer from whom the fireplace was purchased.

This limited warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void.

This limited warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished.

This warranty is limited to defects in material and workmanship. It does not apply to any product that has been subject to negligence, misapplication, improper installation. Remote control warranties are covered by Ambient Technologies, Inc., and are excluded from this Limited Warranty.

No person is authorized to extend the time of this warranty or to accept on Hussong Manufacturing Co., Inc.'s behalf any additional obligation of liability connected with the unit.

It is expressly agreed and understood that this warranty is Hussong Manufacturing Co., Inc.'s sole obligation and purchaser's exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties, including but not limited to the implied warranties or merchantability and fitness for a particular purpose. This warranty replaces all previous warranty policies.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Hussong Manufacturing Co., Inc. reserves the right to make changes at any time, without notice, in design, material, specifications and prices. Hussong Manufacturing Co., Inc. reserves the right to discontinue models and products.

WARRANTY CONDITIONS & REQUIREMENTS:

1. You are the original purchaser. This warranty is not transferable.
2. Installation of the fireplace is performed by a qualified installer.
3. Installation and operation must comply with installation and operation instructions.
4. Paint and glass gaskets are covered for 30 days from date of purchase.
5. Components broken, (including glass panels), during shipping, careless handling of components, or defects resulting from improper installation, misuse of the fireplace and components are not covered under this warranty.
6. This warranty does not cover any part of the fireplace or any components which have been exposed to or submerged under water.
7. Hussong Manufacturing Co., Inc. must be notified by the dealer the fireplace was purchased from or a qualified installer or service technician of the defect.
8. Annual service of the fireplace as required in the installation manual, is performed by a qualified installer/service technician. (Copies of such service records may be required to claim a warranty.)
9. All previous warranty/service has been performed by a qualified installer or service technician. (Copies of such service records may be required to claim a warranty.)

KOZY HEAT
FIREPLACES

LIFETIME WARRANTY

THIS LIFETIME WARRANTY COVERAGE WILL BE EXTENDED AS DESCRIBED BELOW PROVIDED ALL WARRANTY CONDITIONS AND REQUIREMENTS ARE MET AS OUTLINED IN THE 10 YEAR LIMITED WARRANTY POLICY.

LIFETIME WARRANTY COVERAGE

LIFETIME WARRANTY IS EXTENDED AS FOLLOWS: Hussong Manufacturing warranties to the original purchaser that the firebox, heat exchanger, fiber logs, burner tube and glass of this Kozy Heat fireplace will not be defective in material or workmanship under normal use and service for as long as you own this product. If any of these components fail due to defects in material or workmanship under normal use and service, Hussong Manufacturing Co., Inc. will, at its sole discretion, repair or replace the defective component. This LIFETIME WARRANTY does not cover any installation, labor, transportation or other indirect costs arising from defective components.

LIMITATION OF LIABILITY

This Lifetime warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void. This lifetime warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished. This warranty is limited to defects in material and workmanship of components specified. It does not apply to any product that has been subject to negligence, misapplication, improper installation.

No person is authorized to extend the time of this Lifetime warranty or to accept on Hussong Manufacturing Co., Inc.'s behalf any additional obligation of liability connected with the unit.

Hussong Manufacturing Co., Inc. may fully discharge all obligations with respect to this Lifetime warranty by refunding the wholesale price of the defective component(s).

It is expressly agreed and understood that this Lifetime warranty is Hussong Manufacturing Co., Inc.'s sole obligation and original purchaser's exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever other than those incurred by Hussong Manufacturing Co., Inc. to repair or replace the defective component. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties, including but not limited to the implied warranties or merchantability and fitness for a particular purpose. This lifetime warranty replaces all previous lifetime warranty policies.

Hussong Manufacturing Co., Inc. reserves the right to make changes at any time, without notice, in design, material, specifications and prices. Hussong Manufacturing Co., Inc. reserves the right to discontinue models and products.

JUNE 1998

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(CUT ALONG DOTTED LINE)

TO ACTIVATE THIS LIFETIME WARRANTY COVERAGE, THIS REGISTRATION CARD MUST BE COMPLETED AND MAILED WITH YOUR COMPLETED 10 YEAR LIMITED WARRANTY FORM WITHIN 30 DAYS OF INSTALLATION.

PURCHASER'S NAME: _____ **INSTALLATION DATE:** _____

ADDRESS: _____ **MODEL#:** _____ **SERIAL #:** _____

_____ **TELEPHONE #** _____

INSTALLER NAME: _____

ADDRESS: _____ **TELEPHONE #** _____

_____